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DRA

ENGINEERING OPERATIONS REPORT

NERVA DYNAMIC ANALYSIS METHODOLOGY

-SPRVIB-

PROJECT 187

D. F. VRONAY

D. F. Vronay

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U. A. Pineda

U. A. PINEDA, MANAGER
APPLIED MECHANICS
ENGINEERING STAFF DEPARTMENT

NERVA DYNAMIC ANALYSIS METHODOLOGY

-SPRVIB-

I. INTRODUCTION

This report documents the general dynamic computer code called SPRVIB (Spring Vib) developed at Westinghouse Astronuclear Laboratory in support of the NERVA (Nuclear Engine for Rocket Vehicle Application) Program. Using normal mode techniques, the program computes kinematical responses of a structure caused by various combinations of harmonic and elliptic forcing functions or base excitations. Provision is made for a graphical type of force or base excitation input to the structure.

II. SUMMARY AND CONCLUSIONS

The usefulness of a dynamic computer code can be determined by examining four main features:

1) the method of solution

2) the type and generality of the forcing functions used

3) the flexibility of the input/output routines

4) size limitations of the program caused by storage and/or computational limits

The computer code, SPRVIB, should then be examined for all of these features.

A description of the required input format and a listing of the program are presented, along with several examples illustrating the use of the program, in Reference 1. SPRVIB is written in Fortran IV computer language for use on the CDC 6600 or the IBM 360/75 computers.

SPRVIB was used by ANSC for the dynamic analysis of the NERVA 400D and 400D' engine configurations. For the 400E configuration it was not used at all due to the loss of in-house computing facilities, the limited size of the program, and the adoption of the NASTRAN program as the standard analysis tool for the structural dynamics group.

III. TECHNICAL DISCUSSION

SPRVIB uses a classical normal mode solution in which the individual response is computed as a sum of all the modal responses. This type of solution has two main advantages:

1) It completely describes the structure and often enables one to estimate the frequency dependence of the structure. This, of course, is not possible with a numerical solution.

2) It enables the exact solution to a linear problem to be determined in closed form if the forcing functions can be described by elementary functions. In these cases, roundoff type errors do not accumulate.

A normal mode solution also has two disadvantages:

1) At each time step in a transient solution to be printed out, conversion must be made from the normal coordinates to the physical coordinates of the problem.

2) Only proportional damping or modal damping type solutions are tractable for general programming.

The first disadvantage does not appear to be limiting in these days of the high speed computer. If the forcing functions are easily describable, such as harmonic or elliptic functions, the solution obtained is exact at each time step and the step size can be determined by convenience or plotting limitations. On the other hand, the time step size of the ordinary numerical type solutions determines the accuracy and stability limitations of the solution. Furthermore, with the possible exception of physical damping instruments, the damping constants used in dynamic analysis are usually crude estimates of the actual damping. As such, it would appear at least as correct to use estimates of modal damping constants which often may be obtained from test results. Hence, the apparent limitations are often not applicable to practical problems.

SPRVIB offers the following wide variety of possible forcing functions:

1) Free vibrations with arbitrary initial displacement and velocities at each generalized mass.

2) Arbitrary harmonic forces $F_o \sin\omega t$ acting at each or all of the generalized mass points. Forces with different amplitudes and frequencies can be simultaneously applied at the various points.

3) Elliptic type forcing $F_o \exp(\beta t)$ can act at each or all of the points similar to that described above. The parameters F_o and β are real parameters which may have different values in as many as four consecutive time regions. Using this type of representation, a shock or explosive type of forcing can be easily described with sufficient accuracy to obtain quite accurate estimates of even velocities and accelerations. In addition, the harmonic and elliptic loads may be superimposed at any point.

4) Base harmonic excitation of the supports.

5) Point force input at any mass point. In this case the force is represented as a set of data points.

6,7,8) Base motion in which the support acceleration (velocity, displacement) is described by a set of data points.

The effectiveness of the input and output features of any program greatly affect the time a user must spend in setting up a problem and the practicality of its use. A limiting feature of most dynamic computer codes available at this time is the requirement that the element matrices, such as the stiffness matrix, be generated by the direct stiffness method or some other similar method. SPRVIB will generate the element matrices for discrete mass elements connected by rigid bars, linear and rotational springs, and viscous damping elements. Besides the regular input options, provision is made to input only the non-zero symmetric elements of sparse matrices. This provision was used exclusively for the NERVA dynamic analysis. This option is very useful for large matrices. All the input can be in a punched card format or some matrices can be read in from magnetic tape.

An option is available to store all the matrices and results from the topological portion of the program, including the mode shapes and frequencies, on tape so that this section of the program will not have to be redone at a later date for further load cases on the same problem. Any transient information which

can be printed out can also be stored on tape for possible future plotting. Besides the regular steady state response, provision is made to output the results of each harmonic or elliptic load acting separately as well as the combined effect for each load case. In this way the transient effect of each load may be determined with a coarse time step while the effects of the combined loadings can be determined with a finer time step. One, two, or all of each of the displacements, velocities and accelerations may be output at each time step.

At the present time SPRVIB is limited to 90 degrees of freedom. The storage requirement of the program with the 90 degrees of freedom is $175{,}000_8$.

The detailed program write-up, including a listing of the program, is contained in Reference 1. The remainder of this report illustrates a typical application of the program to the 400D' engine analysis.

Figure 1 shows the dynamic model of the 400D' engine, consisting of massless beams connecting a series of concentrated masses so distributed as to approximate the mass distribution of the engine. Table 1 is a list of the degrees of freedom and what physical interface they represent.

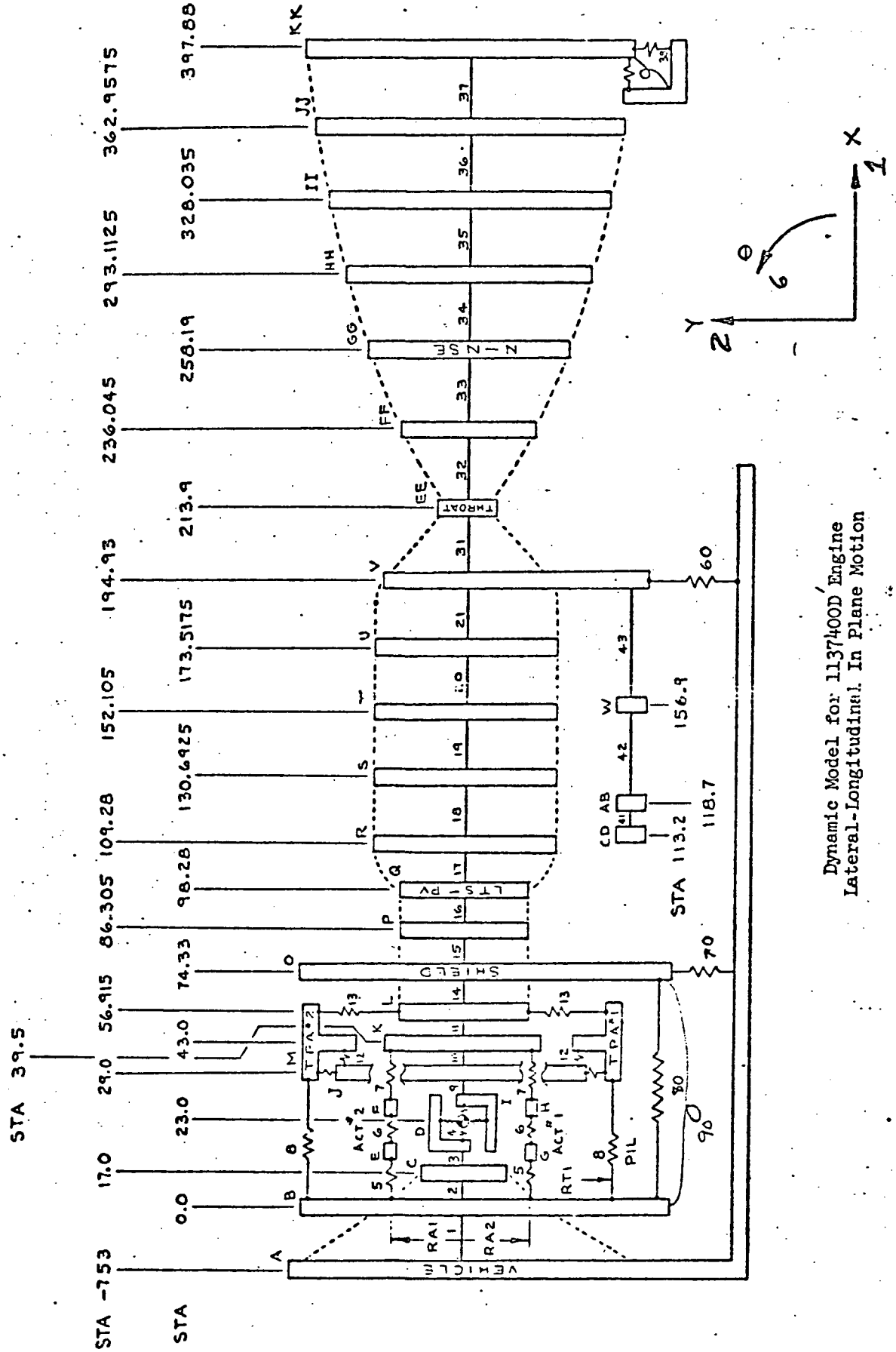
The input to SPRVIB consisted of the diagonal mass and damping matrix, the stiffness matrix and a specification of the input/output control parameters.

The output consisted of an echo of the mass, damping and stiffness matrices, a list of the non-zero entries by vector locations, and a row by row printout of the final stiffness matrix. This is followed by the calculated output consisting of the damping constants, and finally the eigenvectors and corresponding natural frequencies. These modes are then used, together with the transformed input, to perform, in this example, the transient response analysis due to a base input acceleration of 0.3g. Two types of output are presented. First, a summary of the peak response at each degree of freedom. This is then followed by the actual time history of the coordinate displacements, velocities, and accelerations.

The output from this sample run appears as Appendix A. Only a portion of the time history response is shown.

IV. REFERENCES

1. "SPRVIB A General Purpose Dynamic Computer Code Using Normal Mode Solution", Westinghouse Astronuclear Laboratory Report WANL-TME-1940, June 1971



Dynamic Model for 1137400D Engine
Lateral-Longitudinal In Plane Motion

FIGURE 1

TABLE 1

DEGREES OF FREEDOM

Point	X	Y	θ	
A	1	2	3	Stage
B	4	5	6	Interface (Stage/Upper Thrust Structure)
C	7	8	9	Upper Thrust Structure/Gimbal
D	10	11	12	Gimbal Pivot Forward
E	13	-	-	Actuator #1 Forward End
F	14	-	-	Actuator #1 Aft End
G	15	-	-	Actuator #2 Forward End
H	16	-	-	Actuator #2 Aft End
I	17	18	19	Gimbal Pivot Aft
J	20	21	22	Gimbal/Lower Thrust Structure
K	23	24	25	Lower Thrust Structure
L	26	27	28	Lower Thrust Structure
M	29	30	31	TPA #1
N	32	33	34	TPA #2
O	35	36	37	Shield
P	38	39	40	Lower Thrust Structure
Q	41	42	43	Lower Thrust Structure/Pressure Vessel
R	44	45	46	Pressure Vessel
S	47	48	49	Pressure Vessel
T	50	51	52	Pressure Vessel
U	53	54	55	Pressure Vessel
V	56	57	58	Pressure Vessel/Nozzle/Nuclear Subsystem
CD	59	60	61	Nuclear Subsystem
AB	62	63	64	Nuclear Subsystem
W	65	66	67	Nuclear Subsystem
AY	-	68	-	Stage
EE	69	70	71	Nozzle Throat
FF	72	73	74	Nozzle Divergent
GG	75	76	77	Nozzle Torus/Extension
HH	78	79	80	Nozzle Extension
II	81	82	83	Nozzle Extension
JJ	84	85	86	Nozzle Extension

DEGREES OF FREEDOM (Cont.)

Point	X	Y	θ	
KK	87	88	89	Nozzle Extension/Destruct Subsystem
*LL	90	91	92	Destruct Subsystem

*The Destruct Subsystem parameters are set to zero to eliminate it.

APPENDIX A

TYPICAL RUN

SAMPLE OUTPUT

SA-113 4060 FLYING LAUNCH VEHICLE OPERATION 090-270 LATERAL PLANE 27 FEB 71 IRUNCH = 0

DIAGONAL MASS MATRIX

8.00000 02	8.00000 02	1.00000 09	4.18000 00	4.18000 00	1.00000 05	2.60000-01	2.60000-01	6.00000 01	2.00000-01
2.00000-01	1.00000-01	3.00000-01	3.00000-01	3.00000-01	3.00000-01	2.00000-01	2.00000-01	1.00000 01	3.10000-01
3.10000-01	3.00000 01	5.40000-01	5.40000-01	1.00000 02	1.90000-01	1.90000-01	5.00000 01	5.94000 00	5.94000 00
5.94000 00	5.94000 00	5.94000 00	3.60000 03	2.56000 01	2.56000 01	1.50000 04	1.30000-01	1.30000-01	4.00000 01
3.41000 00	3.41000 00	2.50000 03	1.05000 00	1.05000 00	4.21000 02	7.10000-01	7.10000-01	2.94000 02	7.10000-01
7.10000-01	2.94000 02	7.10000-01	7.10000-01	2.94000 02	2.75000 00	2.75000 00	4.00000 02	9.03000 00	5.03000 00
1.74000 03	2.14000 00	2.14000 00	2.69000 02	2.80000 01	2.80000 01	1.14105 04	1.00000-01	3.90000-01	3.90000-01
3.60000-01	5.20000-01	5.20000-01	1.10000 02	1.13000 00	1.13000 00	2.54400 03	2.90000-01	2.90000-01	2.50000 02
3.30001-01	3.70000-01	3.77000 02	3.80000-01	3.80000-01	5.67000 02	3.30000-01	3.30000-01	5.33000 02	1.55000 00
4.55000 00	8.85000 03								

PCT. OF CRITICAL DAMPING IN MODE (MODAL DAMPING)

0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200
0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200
0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200
0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200
0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200
0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200
0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200
0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200
0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200
0.0200									

NUMBER OF NON-ZERO SYMMETRIC ENTRIES IS 571 WITH THE FIRST TERM NUMBERED AS 1 AND DESIGNATED NODE NUMBERS

T = 160 -
Y-INPUT
FINAL RESPONSE

NUMBER OF NON-ZERO SYMMETRIC ENTRIES IS 571 WITH THE FIRST TERM NUMBERED AS 1 AND DESIGNATED NODE NUMBERS

1	2	3	4	5	6	94	95	96	97	98	160	187	188	189	190	191	192	280	281
282	283	284	291	305	306	309	310	311	312	373	374	375	376	377	378	466	467	468	469
473	475	550	560	561	562	563	564	652	653	654	655	656	657	745	746	747	748	749	750
838	839	840	845	846	847	931	932	937	938	939	940	1024	1029	1030	1031	1032	1033	1117	1118
1119	1120	1121	1122	1210	1211	1212	1219	1220	1221	1303	1304	1305	1306	1307	1308	1396	1397	1398	1403
1404	1405	1489	1490	1491	1492	1493	1494	1582	1583	1584	1585	1586	1587	1675	1676	1677	1678	1679	1680
1768	1769	1770	1771	1871	1874	1861	1962	1863	1864	1865	1866	1777	1870	1961	1760	1873	1964	1954	1955
1956	1957	1958	1959	2047	2048	2049	2050	2051	2052	2140	2141	2142	2143	2144	2145	2233	2234	2235	2236
2237	2238	2239	2327	2328	2335	2336	2337	2419	2420	2427	2428	2429	2430	2421	2422	2423	2424	2425	2426
2512	2519	2580	2521	2522	2582	2705	2596	2607	2608	2609	2610	2694	2599	2700	2701	2702	2703	2791	2792
2793	2794	2795	2796	2884	2885	2886	2887	2888	2889	2977	2978	2979	2980	2981	2982	3070	3071	3072	3073
3074	3075	3163	3164	3166	3167	3168	3169	3256	3257	3258	3260	3261	3262	3349	3350	3351	3352	3353	3354
3442	3443	3445	3446	3447	3448	3535	3536	3538	3539	3540	3541	3628	3629	3630	3631	3632	3633	3721	3722
3724	3725	3726	3727	3814	3815	3817	3818	3819	3820	3907	3908	3909	3910	3911	3912	4000	4001	4003	4004
4005	4006	4093	4094	4096	4097	4098	4099	4186	4187	4188	4189	4190	4191	4279	4280	4282	4283	4284	4285
4372	4373	4375	4376	4377	4378	4465	4466	4467	4468	4469	4470	4558	4559	4561	4562	4563	4564	4651	4652
4654	4655	4656	4657	4744	4745	4746	4747	4748	4749	4837	4838	4840	4841	4842	4843	4930	4931	4933	4934
4935	4936	5023	5024	5025	5026	5027	5028	5116	5117	5125	5129	5130	5131	5209	5210	5218	5222	5223	5219
5302	5311	5314	5315	5316	5317	5395	5396	5397	5398	5399	5400	5488	5489	5490	5491	5492	5493	5581	5582
5583	5584	5585	5586	5674	5675	5676	5677	5678	5679	5767	5768	5770	5771	5772	5773	5960	5861	5862	5863
5863	5866	5953	5954	5955	5956	5957	5958	6046	6047	6048	6049	6050	6051	6139	6140	6141	6142	6143	6144
6224	6233	6234	6235	6236	6237	6325	6326	6328	6329	6330	6331	6418	6419	6421	6422	6423	6424	6511	6512
6513	6514	6515	6516	6604	6605	6607	6608	6609	6610	6697	6698	6700	6701	6702	6703	6790	6791	6792	6793
6794	6795	6883	6884	6886	6887	6888	6889	6976	6977	6979	6980	6981	6982	7069	7070	7071	7072	7073	7074
7162	7163	7165	7166	7167	7168	7255	7256	7258	7259	7260	7261	7348	7349	7350	7351	7352	7353	7441	7442
7444	7445	7446	7447	7534	7535	7537	7538	7539	7540	7627	7628	7629	7630	7631	7632	7720	7721	7723	7724
7725	7726	7813	7814	7816	7817	7818	7819	7906	7907	7908	7909	7910	7911	7999	8000	8002	8003	8004	8005
8092	8093	8095	8096	8097	8098	8185	8186	8187	8188	8189	8190	8278	8279	8280	8281	8282	8283	8371	8372
8373	8374	8375	8376	8464	489	492	311	3288	5220	497									

-169000.000	0.0	0.0	-169000.000	0.0	0.0
100079450.	54835300.0	0.0	-79450.0000	5070000.00	-100000000.
0.3974900000-11	0.0	-54835300.0	0.1596780000-10	0.0	0.0
6370000.00	0.0	-56250000.0	-1200000.00	-2250000.00	-2250000.00
-500.000000	-500.000000	0.0	0.0	0.0	0.0
2079450.00	28930000.0	0.0	-2000000.00	0.0	0.0
0.3850860100-10	0.0	-34000000.0	-140000000.	0.0	56250000.0
26710000.0	0.0	0.0	-24510000.0	0.0	0.0
-5680000.00	34080000.0	0.0	-5680000.00	0.0	0.0
0.2921780000 10	0.0	-34080000.0	-0.2577300000 10	0.0	0.0
27520000.0	0.0	0.0	-3010000.00	0.0	0.0
11620000.0	0.0	0.0	-5940000.00	0.0	0.0
0.2577340000-10	0.0	0.0	-43400.0000	0.0	0.0
2250000.00	0.0	0.0	0.0	0.0	0.0
-2250000.00	0.0	0.0	-2250000.00	0.0	0.0
2250000.00	0.0	0.0	0.0	0.0	0.0
-2250000.00	0.0	0.0	-2250000.00	0.0	56250000.0
27520000.0	0.0	0.0	-24510000.0	0.0	0.0
84070000.0	234380000.	0.0	-78130000.0	234400000.	0.0
535623400.	0.0	-234380000.	470700000.	0.0	0.0
39510000.0	0.0	0.0	-10000000.0	28000000.0	28000000.0
67630000.0	-201650000.	0.0	-5500000.00	25000000.0	0.0
-2000000.00	-2000000.00	49400000.0	-2000000.00	-2000000.00	-49400000.0
0.3627440000 10	0.0	-32750000.0	92500000.0	0.0	0.0
24280000.0	0.0	-56250000.0	-9760000.00	0.0	0.0

0.2[illegible] 10	0.0	-14364000.0	-4[illegible]	0.0	0.0
17224600.0	0.0	0.0	-7464830.00	0.0	0.0
5632390.00	-4074360.00	0.0	-1182390.00	10295600.0	0.0
0.0	-1400000.00	-19481000.0	0.0	-1400000.00	-19481000.0
0.1005891060 10	0.0	-10295600.0	-1365924[illegible]	0.0	0.0
2000500.00	0.0	0.0	0.0	0.0	0.0
1400000.00	-8519000.00	0.0	0.0	0.0	0.0
663078000.	0.0	0.0	0.0	0.0	0.0
2000500.00	0.0	0.0	0.0	0.0	0.0
3400000.00	-8519000.00	0.0	0.0	0.0	0.0
663078000.	0.0	0.0	0.0	0.0	0.0
17434630.0	0.0	-8970000.00	0.0	0.0	0.0
28624[illegible].00	-301750.000	-1670000.00	10000000.0	0.0	0.0
0.4495100000 10	0.0	-9998250.00	-0.1559250000 10	0.0	0.0
17940000.0	0.0	-8970000.00	0.0	0.0	0.0
3340000.00	-1750.00000	-1670000.00	10000000.0	0.0	0.0
0.3357980000 10	0.0	-9998250.00	-0.1559250000 10	0.0	0.0
144280000.	0.0	-135310000.	0.0	0.0	0.0
2594[illegible].0	1289[illegible].0	-25270000.0	139000000.	0.0	0.0
0.4141067000 11	0.0	-138970000.	-0.3820300000 11	0.0	0.0
1642[illegible].0	0.0	-58980000.0	0.0	0.0	0.0
35140000.0	-22646000.0	-10870000.0	116400000.	0.0	0.0
0.5273100000 11	0.0	-116354000.	-0.2050758500 11	0.0	0.0
11796[illegible].0	0.0	-58980000.0	0.0	0.0	0.0
21740000.0	-46125.0000	-10870000.0	116400000.	0.0	0.0
0.4599900000 11	0.0	-116354000.	-0.2050758500 11	0.0	0.0
11796[illegible].0	0.0	-58980000.0	0.0	0.0	0.0
21740000.0	-46125.0000	-10870000.0	116400000.	0.0	0.0
0.4599900000 11	0.0	-116354000.	-0.2050758500 11	0.0	0.0
11796[illegible].0	0.0	-58980000.0	0.0	0.0	0.0
21740000.0	-46125.0000	-10870000.0	116400000.	0.0	0.0
0.4599900000 11	0.0	-116354000.	-0.2050758500 11	0.0	0.0
29[illegible]50000.	0.0	-181000000.	-52670000.0	0.0	0.0
157530000.	-34309500.0	-148000000.	-8650000.00	82000000.0	-0.5624000000 10
0.1016377200 12	-0.7100000000 11	-82090500.0	-0.6090460000 10	0.0	0.0
1000000.00	0.0	0.0	-1000000.00	0.0	0.0
2000000.00	-11000000.0	0.0	-2000000.00	0.0	0.0
80500000.0	0.0	-11000000.0	-20000000.0	0.0	0.0
81000000.0	0.0	0.0	-90000000.0	0.0	0.0
9400000.00	129880000.	-3400000.00	0.0	0.0	0.0
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261000000.	0.0	0.0	0.0	0.0	0.0
151400000.	-0.5624000000 10	0.0	0.0	0.0	0.0

75300000.0	0.0	-22630000.0	0.0	0.0	0.0
12200000.0	-42385000.0	-3550000.00	-300000000.0	0.0	0.0
0.9697500000D 10	0.0	-39615000.0	-0.1384300000D 10	0.0	0.0
54650000.0	0.0	-32020000.0	0.0	0.0	0.0
8880000.00	20033000.0	-5330000.00	59000000.0	0.0	0.0
0.1170070000D 11	0.0	-59033000.0	-0.8145400000D 10	0.0	0.0
34540000.0	0.0	-2520000.00	0.0	0.0	0.0
16840000.0	-17690300.	-13510000.0	-235900000.	0.0	0.0
0.1494410000D 11	0.0	-235903000.	0.2746220000D 10	0.0	0.0
5700000.00	0.0	-3180000.00	0.0	0.0	0.0
41710000.0	256414500.	-28200000.0	492500000.	0.0	0.0
0.1695050000D 11	0.0	-492314500.	0.5734330000D 10	0.0	0.0
6760000.00	0.0	-3580000.00	0.0	0.0	0.0
70506000.0	246022000.	-42300000.0	-738700000.	0.0	0.0
0.2865677500 11	0.0	-738522000.	0.8599250000D 10	0.0	0.0
7510000.00	0.0	-3930000.00	0.0	0.0	0.0
93710000.0	246378000.	-56410000.0	984900000.	0.0	0.0
0.4013522000D 11	0.0	-985078000.	0.1146417000D 11	0.0	0.0
3947800.00	0.0	-17800.0000	0.0	0.0	0.0
53400000.0	-985000000.	-50000.0000	-350000.000	0.0	0.0
0.2293600000D 11	0.0	100000.000	-4100000.00	0.0	0.0
17800.0000	0.0	0.0	0.0	0.0	0.0
50000.0000	350000.000	0.0	0.0	0.0	0.0
7250000.00	12350.0000	-12350.0000	-100000.00	-10000.0000	-10000.0000
-0.2500000000D 10					

STIFFNESS MATRIX

...ROW 1 ...

1.6900D 05	0.0	0.0	-1.6900D 05	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								

...ROW 2 ...

0.0	1.0008D 08	5.4835D 07	0.0	-7.9450D 04	5.0700D 06	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0000D 08	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								

...ROW 3 ...

0.0	5.4835D 07	3.9749D 10	0.0	-5.4835D 07	1.5968D 09	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								

...ROW 4 ...

1.6900D 05	0.0	0.0	6.8700D 06	0.0	-5.6250D 07	1.2000D 06	0.0	0.0	0.0
0.0	0.0	-2.2500D 06	0.0	-2.2500D 06	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-5.0000D 02	0.0
0.0	-5.0000D 02	0.0	0.0	-1.0000D 06	0.0	0.0	0.0	0.0	0.0

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								

...ROW 5 ...

0.0	-7.9450D 04	-5.4835D 07	0.0	2.0794D 06	2.8930D 07	0.0	-2.0000D 06	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								

...ROW 6 ...

0.0	5.0700D 06	1.5968D 09	-5.6250D 07	2.8930D 07	6.8509D 09	0.0	-3.4000D 07	-1.4000D 08	0.0
0.0	0.0	0.0	0.0	5.6250D 07	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2350D 04	0.0
0.0	-1.2350D 04	0.0	0.0	0.0	0.0	-2.5000D 09	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								

...ROW 7 ...

0.0	0.0	0.0	-1.2000D 06	0.0	0.0	2.5710D 07	0.0	0.0	-2.4510D 07
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								

...ROW 8 ...

0.0	0.0	0.0	0.0	-2.0000D 06	-3.4000D 07	0.0	7.6800D 06	3.4080D 07	0.0
-1.2000D 06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0

...ROW 9 ...

0.0 0.0 0.0 0.0 0.0 -1.4000D 08 0.0 3.4080D 07 2.9218D 09 0.0

-3.4080D 07 -2.5773D 09 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0

...ROW 10 ...

0.0 0.0 0.0 0.0 0.0 0.0 -2.4510D 07 0.0 0.0 2.7520D 07

0.0 0.0 0.0 0.0 0.0 0.0 -3.0100D-06 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0

...ROW 11 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 -5.6800D 06 -3.4080D 07 0.0

1.1620D 07 0.0 0.0 0.0 0.0 0.0 0.0 -5.9400D 06 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0

...ROW 12 ...

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.57730 09	0.0
0.0	2.57730 09	0.0	0.0	0.0	0.0	0.0	0.0	-4.3400D 04	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								

...ROW 13 ...

0.0	0.0	0.0	-2.2500D 06	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	2.2500D 06	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								

...ROW 14 ...

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	2.2500D-06	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	-2.2500D 06	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								

...ROW 15 ...

0.0	0.0	0.0	-2.2500D 06	0.0	5.62500 07	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	2.2500D 06	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

...ROW 16 ...

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	2.25000 06	0.0	0.0	0.0	0.0
0.0	0.0	-2.25000 06	0.0	5.62500 07	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								

...ROW 17 ...

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.01000 06
0.0	0.0	0.0	0.0	0.0	0.0	2.75200 07	0.0	0.0	-2.45100 07
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								

...ROW 18 ...

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-5.04000 06	0.0	0.0	0.0	0.0	0.0	0.0	8.40700 07	2.34380 08	0.0
-7.31300 07	2.34400 08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								

...ROW 19 ...

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	-4.34000 04	0.0	0.0	0.0	0.0	0.0	2.34380 08	9.35620 08	0.0
-2.34380 08	4.70700 08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 20 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 -2.4510D 07 0.0 0.0 3.8510D 07
0.0 0.0 -1.0000D-07 0.0 0.0 0.0 0.0 0.0 -2.0000D-06 0.0
0.0 -2.0000D 06 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 21 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 -7.8130D 07 -2.3438D 08 0.0
8.7630D 07 -2.0165D 08 0.0 -5.5000D 06 2.5000D 07 0.0 0.0 0.0 0.0 -2.0000D 06
2.8000D 07 0.0 -2.0000D 06 2.8000D 07 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 22 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.3440D 08 4.7070D 08 0.0
-2.0165D 08 3.6274D 09 0.0 -3.2750D 07 9.2500D 07 0.0 0.0 0.0 4.9400D 07 0.0
0.0 -4.9400D-07 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 23 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 -2.2500D 06 0.0 -2.2500D 06 0.0 0.0 0.0 -1.0000D 07
0.0 0.0 2.4260D 07 0.0 -5.6250D 07 -9.7600D 06 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 24 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
-5.5000D-06 -3.2750D-07 0.0 7.1500D-06 -1.0635D-07 0.0 -1.6500D-06 1.4370D-07 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 25 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 5.6250D 07 0.0 0.0 0.0 0.0
2.5000D 07 9.2500D 07 -5.6250D 07 -1.0635D 07 2.2662D 09 0.0 -1.4365D 07 -4.3975D 08 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 26 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 -9.7600D 06 0.0 0.0 1.7225D 07 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 -7.4648D-06 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 27 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 -1.6500D 06 -1.4365D 07 0.0 5.6324D 06 -4.0744D 06 0.0 -1.4000D 06

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 28 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 1.43700-07 -4.39750-08 0.0 -4.0744D 06 1.00590 09 0.0 0.0
0.0 0.0 0.0 0.0 0.0 -1.0296D 07 -1.3659D 08 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 29 ...

0.0 0.0 0.0 -5.00000 02 0.0 1.2350D 04 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -2.0000D 06
0.0 4.9400D 07 0.0 0.0 0.0 0.0 0.0 0.0 2.0005D 06 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 30 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
-2.0000D 06 0.0 0.0 0.0 0.0 0.0 -1.4000D 06 0.0 0.0 3.4000D 06
-8.5190D 06 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 31 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

2.5000D 07	0.0	0.0	0.0	0.0	0.0	-1.9481D 07	0.0	0.0	-8.5190D 06
6.6308D 08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								
		...ROW 32 ...							
0.0	0.0	0.0	-5.0000D-02	0.0	-1.2350D-04	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.0000D 06
0.0	-4.9400D 07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	2.0000D 06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								
		...ROW 33 ...							
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.0000D 06	0.0	0.0	0.0	0.0	0.0	-1.4000D 06	0.0	0.0	0.0
0.0	0.0	3.4000D 06	-8.5190D 06	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								
		...ROW 34 ...							
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.3000D 07	0.0	0.0	0.0	0.0	0.0	-1.9481D 07	0.0	0.0	0.0
0.0	0.0	-8.5190D-06	-6.6308D-08	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								

0.0 0.0 0.0 -1.00000 06 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 -7.46480 06 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 1.74350 07 0.0 0.0 -8.97000 06 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 36 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 -1.18240 06 -1.02960 07 0.0 0.0
0.0 0.0 0.0 0.0 0.0 2.86240 06 -3.01750 05 0.0 -1.67000 06 1.00000 07
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 -1.00000 04 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 37 ...

0.0 0.0 0.0 0.0 0.0 -2.50000 09 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 1.02960 07 -1.36590 08 0.0 0.0
0.0 0.0 0.0 0.0 0.0 -3.01750 05 4.49510 09 0.0 -9.99820 06 -1.55920 09
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 38 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 -8.97000 06 0.0 0.0 1.79400 07 0.0 0.0
-8.97000 06 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0

...ROW 39 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 -1.67000 06 -9.99820 06 0.0 3.34000 06 -1.75000 03
0.0 -1.67000 06 1.00000 07 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 40 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 1.00000 07 -1.55920 09 0.0 -1.75000 03 3.35800 09
0.0 -9.99820 06 -1.55920 09 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 41 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 -8.97000 06 0.0 0.0
1.44260 08 0.0 0.0 -1.35310 08 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 42 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -1.67000 06 -9.99820 06
0.0 2.69400 07 1.28970 08 0.0 -2.52700 07 1.39000 08 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 43 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0000D 07 -1.5592D 09
0.0 1.2897D 08 4.1411D 10 0.0 -1.3897D 08 -3.9203D 10 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 44 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
-1.3531D 08 0.0 0.0 1.9429D 08 0.0 0.0 -5.8980D 07 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 45 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 -2.5270D 07 -1.3897D 08 0.0 3.6140D 07 -2.2646D 07 0.0 -1.0870D 07 1.1640D 08 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 46 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 1.2200D 09 -1.3204D 10 0.0 -3.2646D 07 -2.2731D 10 0.0 -1.1635D 08 2.0508D 10 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 47 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 -5.8980D 07 0.0 0.0 1.1796D 08 0.0 0.0 -5.8980D 07
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 48 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 -1.0870D-07 -1.1635D-08 0.0 2.1740D-07 -4.6125D-04 0.0
-1.0870D 07 1.1640D 08 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 49 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 1.1640D 08 -2.0508D 10 0.0 -4.6125D 04 4.5999D 10 0.0
-1.1635D 08 -2.0508D 10 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 50 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	-5.8980D 07	0.0	0.0	1.1796D 08
0.0	0.0	-5.8980D 07	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								

...ROW 51 ...

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0870D 07	-1.1635D 08	0.0
2.1740D 07	-4.6125D 04	0.0	-1.0870D 07	1.1640D 08	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								

...ROW 52 ...

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1640D 08	-2.0508D 10	0.0
-4.6125D 04	4.5999D 10	0.0	-1.1635D 08	-2.0508D 10	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								

...ROW 53 ...

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-5.8980D 07
0.0	0.0	1.1796D 08	0.0	0.0	-5.8980D 07	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								

...ROW 54 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

-1.0870D 07 -1.1635D 08 0.0 2.1740D 07 -4.6125D 04 0.0 -1.0870D 07 -1.1640D 08 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0

...ROW 55 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

1.1640D 08 -2.0508D 10 0.0 -4.6125D 04 4.5999D 10 0.0 -1.1635D 08 -2.0508D 10 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0

...ROW 56 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 -5.8980D 07 0.0 0.0 2.9265D 08 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 -1.8100D 08 0.0 0.0 0.0 -5.2670D 07 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0

...ROW 57 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 -1.0870D 07 -1.1635D 08 0.0 1.6753D 08 -3.4309D 07 0.0 0.0

0.0 0.0 0.0 0.0 0.0 -1.4800D 08 -5.6240D 09 -1.0000D 04 0.0 -8.6500D 06

8.2000D 07 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0

...ROW 58 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 1.1640D-08 -2.0508D-10 0.0 -3.4309D-07 -1.0164D-11 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 -7.1000D 10 0.0 0.0 -8.2090D 07
-6.0805D-09 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 59 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0000D 06 0.0
0.0 -1.0000D 06 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 60 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.0000D 06
1.1000D 07 0.0 -2.0000D 06 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 61 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.1000D 07
8.0500D 07 0.0 -1.1000D 07 -2.0000D 07 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0

...ROW 62 ...

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0000D 06	0.0
0.0	8.1000D 07	0.0	0.0	-8.0000D 07	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								

...ROW 63 ...

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.0000D 06
-1.1000D 07	0.0	5.4000D 06	1.2988D 08	0.0	-3.4000D 06	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								

...ROW 64 ...

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.0000D 07	0.0	1.2988D 08	6.6314D 09	0.0	-1.2988D 08	-1.6500D 09	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								

...ROW 65 ...

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	-1.5100D 08	0.0	0.0	0.0	0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 66 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 -1.48000D-08 0.0 0.0 0.0
0.0 0.0 -3.40000D 06 -1.29880D 08 0.0 1.51400 08 5.6240D 09 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 67 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 -5.6240D 09 -7.1000D 10 0.0 0.0
0.0 0.0 0.0 -1.6500D 09 0.0 5.6240D 09 2.8636D 11 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 68 ...

0.0 -1.00000D-08 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 -1.00000D 04 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 -1.00000D 04 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0002D 08 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 69 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 -5.2670D 07 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 7.5300C 07 0.0

0.0 -2.2630D 07 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0

...ROW 70 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 -8.6500D-06 -8.2090D-07 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.2200D 07

-4.2385D 07 0.0 -3.5500D-06 3.9000D-07 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0

...ROW 71 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 8.2000D 07 -6.0805D 09 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -4.2385D 07

9.6976D 09 0.0 -3.9615D 07 -1.3843D 09 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0

...ROW 72 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -2.2630D 07 0.0

0.0 5.4650D 07 0.0 0.0 -3.2020D 07 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0

...ROW 73 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -3.5500D 06
-3.9615L 07 0.0 8.8800D 06 2.0033D 07 0.0 -5.3300D 06 5.9000D 07 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 74 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.9000D 07
-1.3043D-09 0.0 2.0033D-07 -1.1701D-10 0.0 -5.9033D-07 -8.1454D-09 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 75 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 -3.2020D 07 0.0 0.0 3.4540D 07 0.0 0.0 -2.5200D 06 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 76 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0 -5.3300D 06 -5.9033D 07 0.0 1.8840D 07 1.7690D 08 0.0 -1.3510D 07 2.3590D 08
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 0.0

...ROW 77 ...

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	5.9000D 07	-8.1454D 09	0.0	1.7690D 08	1.4944D 10	0.0	-2.3590D 08	2.7462D 09
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								
		...ROW 78 ...							
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	-2.5200D 06	0.0	0.0	5.7000D 06	0.0	0.0
-3.1800D 06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								
		...ROW 79 ...							
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	-1.3510D 07	-2.3590D 08	0.0	4.1710D 07	2.5641D 08
0.0	-2.8200D 07	4.9250D 08	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								
		...ROW 80 ...							
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	2.3590D 08	2.7462D 09	0.0	2.5641D 08	1.6950D 10
0.0	-4.9231D 08	5.7343D 09	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								

...ROW 81 ...

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.1800D 06	0.0	0.0
6.7600D 06	0.0	0.0	-3.5800D 06	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0								

...ROW 82 ...

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.8200D 07	-4.9231D 08
0.0	7.0500D 07	2.4602D 08	0.0	-4.2300D 07	7.3870D 08	0.0	0.0	0.0	0.0
0.0	0.0								

...ROW 83 ...

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9250D 08	5.7343D 09
0.0	2.4602D 08	2.8657D 10	0.0	-7.3852D 08	8.5992D 09	0.0	0.0	0.0	0.0
0.0	0.0								

...ROW 84 ...

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

-3.5800E 06	0.0	0.0	7.5100D 06	0.0	0.0	-3.9300D 06	0.0	0.0	0.0
0.0	0.0								

...ROW 85 ...

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	-4.2300D 07	-7.3852D 08	0.0	9.8710D 07	2.4638D 08	0.0	-5.6410D 07	9.8490D 08	0.0
0.0	0.0								

...ROW 86 ...

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	7.3870D 08	8.5992D 09	0.0	2.4638D 08	4.0135D 10	0.0	-9.8508D 08	1.1464D 10	0.0
0.0	0.0								

...ROW 87 ...

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	-3.9300D 06	0.0	0.0	3.9478D 06	0.0	0.0	-1.7800D 04
0.0	0.0								

...ROW 88 ...

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 -5.6410D 07 -9.8500D-08 0.0 5.6460D 07 -9.8500D-08 0.0

-5.0000D 04 -3.5000D 05

...ROW 89 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 9.8490D 08 1.1464D 10 0.0 -9.8500D 08 2.2936D 10 0.0

1.0000D 05 -4.1000D 06

...ROW 90...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 -1.7800D 04 0.0 0.0 1.7800D 04

0.0 0.0

...ROW 91 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 -5.0000D 04 1.0000D 05 0.0

5.0000D 04 3.5000D 05

...ROW 92 ...

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.5000D 05	-4.1000D-06	0.0

3.5000D 05 7.2500D 06
THE FOLLOWING ROWS AND COLUMNS OF THE CORRESPONDING MATRIX WERE INTERCHANGED 2 92

NEGATIVE EIGENVALUE IN MODE 1

UNDAMPED NATURAL FREQUENCIES (CYC./SEC.)

2.9075D-02 4.2976D-01 3.3066D 00 6.6157D 00 6.9483D 00 1.1308D 01 1.2363D 01 1.5388D 01 1.7004D 01 1.9109D 01
2.6288D-01 2.7693D-01 3.5820D-01 4.7315D-01 5.2161D-01 5.4652D-01 6.2539D-01 6.6700D-01 7.4866D-01 7.9468D-01
8.4269D 01 8.7026D 01 1.0786D 02 1.1051D 02 1.2131D 02 1.3848D 02 1.5590D 02 1.9407D 02 1.9511D 02 2.3032D 02
2.5220D-02 2.8239D-02 3.1071D-02 3.2634D-02 3.3362D-02 3.4712D-02 4.2594D-02 4.2822D-02 4.3607D-02 4.6957D-02
4.3046D 02 5.0548D 02 5.5165D 02 5.8943D 02 6.2889D 02 6.7516D 02 7.0171D 02 7.7732D 02 7.8319D 02 7.9041D 02
8.1240D-02 8.1517D-02 8.4735D-02 8.9421D-02 9.1251D-02 9.3505D-02 9.5059D-02 9.5655D-02 9.8248D-02 1.0301D-03
1.0361D 03 1.1057D 03 1.1137D 03 1.1793D 03 1.3370D 03 1.3938D 03 1.4253D 03 1.4499D 03 1.4612D 03 1.5812D 03
1.6139D-03 1.6439D-03 1.6870D-03 1.6980D-03 1.8726D-03 1.9685D-03 2.1229D-03 2.1344D-03 2.3664D-03 2.3989D-03
2.4289D 03 2.4558D 03 2.4769D 03 2.6043D 03 2.7511D 03 2.7621D 03 2.8049D 03 2.8957D 03 3.4142D 03 4.4021D 03
5.0334D-03

DAMPED NATURAL FREQUENCIES (CYC./SEC.)

2.9069D-02 4.2967D-01 3.3059D 00 6.6144D 00 6.9469D 00 1.1306D 01 1.2361D 01 1.5385D 01 1.7001D 01 1.9106D 01
2.6262D-01 2.7688D-01 3.5812D-01 4.7306D-01 5.2151D-01 5.4641D-01 6.2526D-01 6.6687D-01 7.4851D-01 7.9453D-01
8.4246D 01 8.7008D 01 1.0784D 02 1.1049D 02 1.2128D 02 1.3845D 02 1.5587D 02 1.9403D 02 1.9507D 02 2.3028D 02
2.0215D-02 2.8233D-02 3.1065D-02 3.2628D-02 3.3356D-02 3.4705D-02 4.2585D-02 4.2814D-02 4.3598D-02 4.6947D-02
4.8039D 02 5.0538D 02 5.5154D 02 5.8932D 02 6.2877D 02 6.7503D 02 7.0157D 02 7.7717D 02 7.8303D 02 7.9025D 02
8.1230D-02 8.1501D-02 8.4718D-02 8.9403D-02 9.1233D-02 9.3490D-02 9.5040D-02 9.5636D-02 9.8228D-02 1.0299D-03
1.0359D 03 1.1055D 03 1.1134D 03 1.1791D 03 1.3367D 03 1.3935D 03 1.4250D 03 1.4496D 03 1.4609D 03 1.5809D 03
1.6136D-03 1.6436D-03 1.6866D-03 1.6977D-03 1.8722D-03 1.9681D-03 2.1225D-03 2.1340D-03 2.3659D-03 2.3985D-03
2.4285D 03 2.4554D 03 2.4764D 03 2.6039D 03 2.7506D 03 2.7616D 03 2.8044D 03 2.8951D 03 3.4135D 03 4.4012D 03
5.0324D-03

MODAL MASSES..Z**T*M*Z

1.0000D 00 1.0000D 00 1.0000D 00 1.0000D 00 1.0000D 00 1.0000D 00 1.0000D 00 1.0000D 00 1.0000D 00 1.0000D 00
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IN MODE DAMPING CONSTANTS

7.3073D-03 1.0801D-01 8.3104D-01 1.6627D 00 1.7463D 00 2.8420D 00 3.1073D 00 3.8674D 00 4.2737D 00 4.8027D 00
6.5066D 00 6.9601D 00 9.0024D 00 1.1892D 01 1.3110D 01 1.3736D 01 1.5718D 01 1.6764D 01 1.8816D 01 1.9973D 01
2.1176D 01 2.1872D 01 2.7109D 01 2.7775D 01 3.0488D 01 3.4803D 01 3.9183D 01 4.8774D 01 4.9037D 01 5.7887D 01
6.5598D 01 7.0973D 01 7.8091D 01 8.2018D 01 8.3849D 01 8.7240D 01 1.0705D 02 1.0762D 02 1.0960D 02 1.1802D 02
1.2076D 02 1.2704D 02 1.3864D 02 1.4814D 02 1.5906D 02 1.6969D 02 1.7636D 02 1.9536D 02 1.9684D 02 1.9865D 02
2.0415D 02 2.0457D 02 2.1296D 02 2.2474D 02 2.2934D 02 2.3501D 02 2.3891D 02 2.4041D 02 2.4692D 02 2.5889D 02
2.6040D 02 2.7790D 02 2.7989D 02 2.9640D 02 3.3601D 02 3.5029D 02 3.5821D 02 3.6441D 02 3.6724D 02 3.9740D 02
4.0563D 02 4.1317D 02 4.2398D 02 4.2676D 02 4.7063D 02 4.9475D 02 5.2355D 02 5.3644D 02 5.9473D 02 6.0292D 02
6.1044D 02 6.1722D 02 6.2251D 02 6.5453D 02 6.9143D 02 6.9420D 02 7.0495D 02 7.2777D 02 8.5807D 02 1.1064D 03
1.2650D 03

EIGENVECTORS—TEN COMPONENTS PER LINE

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 2.9069D-02 CYC./SEC.

3.3350D-02 1.2671D-10 -1.8095D-10 3.3355D-02 -1.1404D-07 -4.7189D-11 3.3355D-02 -1.1427D-07 1.6141D-12 3.3355D-02
-1.1406D-07 1.6238D-12 3.3356D-02 3.3356D-02 3.3355D-02 3.3356D-02 3.3355D-02 -1.1387D-07 7.8233D-10 3.3356D-02
-1.0920D-07 7.6759D-10 3.3356D-02 -1.0267D-07 3.8571D-10 3.3356D-02 -9.5969D-08 3.0472D-10 3.3355D-02 -1.0259D-07
4.5881D-10 3.3356D-02 -1.0256D-07 4.7692D-10 3.3356D-02 -9.2195D-08 1.1634D-11 3.3356D-02 -9.1487D-08 5.3337D-11
3.3356D-02 -9.0303D-08 9.1093D-11 3.3356D-02 -8.9271D-08 9.2505D-11 3.3356D-02 -8.7215D-08 9.4606D-11 3.3356D-02
-6.5121D-08 9.6124D-11 3.3356D-02 -8.2999D-08 9.7091D-11 3.3356D-02 -8.0863D-08 9.7498D-11 3.3355D-02 -8.8865D-08
8.8447D-11 3.3356D-02 -8.8359D-08 9.8700D-11 3.3356D-02 -8.4574D-08 9.7633D-11 -1.7303D-11 3.3356D-02 -7.9026D-08
9.6616D-11 3.3356D-02 -7.6932D-08 9.3560D-11 3.3356D-02 -7.4874D-08 9.2949D-11 3.3356D-02 -7.1678D-08 9.0207D-11
3.3355D-02 -6.8546D-08 8.9280D-11 3.3355D-02 -6.5434D-08 8.8919D-11 3.3355D-02 -6.2331D-08 8.8852D-11 3.3355D-02
-6.3969D-08

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 4.2967D-01 CYC./SEC.

-3.1694D-07 -2.2975D-05 3.1302D-05 -2.9945D-07 [illegible] 5.0804D-06 -2.9811D-07 [illegible] -6.0566D-06 -2.9805D-07
[illegible] -6.0586D-06 -2.9945D-07 -2.9729D-07 -1.2731D-04 1.6489D-03 -2.9751D-07 [illegible] 1.2299D-04 -2.9745D-07
1.7776D-02 -1.1967D-04 -2.9729D-07 [illegible] -6.5968D-05 -2.9750D-07 [illegible] -5.4511D-05 2.9549D-03 1.6640D-02
-8.1189D-05 -2.9555D-03 1.6640D-02 -8.1189D-05 -2.9777D-07 [illegible] -5.8645D-06 -2.9778D-07 1.4574D-02 -1.4178D-05
-2.9779D-07 [illegible] -2.1636D-05 -2.9779D-07 1.4047D-02 -2.1912D-05 -2.9779D-07 [illegible] -2.2319D-05 -2.9779D-07
[illegible] -2.2612D-05 -2.9780D-07 [illegible] -2.2791D-05 -2.9780D-07 [illegible] -2.2856D-05 -2.9785D-07 1.3946D-02
-2.3155D-05 -2.9780D-07 1.3818D-02 -2.2868D-05 -2.9780D-07 1.2943D-02 -2.2859D-05 2.6833D-06 -2.9780D-07 [illegible]
-2.2851D-05 -2.9779D-07 [illegible] -2.2835D-05 -2.9779D-07 [illegible] -2.2833D-05 -2.9778D-07 [illegible] -2.2823D-05
-2.9776D-07 [illegible] -2.2819D-05 -2.9775D-07 [illegible] -2.2818D-05 -2.9774D-07 [illegible] -2.2818D-05 -2.9520D-07
7.0459D-03

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 3.3059D 00 CYC./SEC.

9.9334D-06 2.7270D-04 -3.9132D-06 -1.0252D-05 [illegible] 1.9523D-04 -1.1316D-05 [illegible] 2.7413D-04 -1.1368D-05
[illegible] -2.7419D-04 -1.0253D-05 -1.1965D-05 -4.8912D-03 -1.7470D-02 -1.1791D-05 [illegible] 1.1545D-03 -1.1843D-05
4.7045D-02 1.1311D-03 -1.1964D-05 [illegible] 6.9828D-04 -1.1856D-05 [illegible] 6.1381D-04 -2.7980D-02 5.8487D-02
8.1624D-04 2.7956D-02 [illegible] 8.1624D-04 -1.1715D-05 [illegible] 2.7779D-04 -1.1746D-05 [illegible] 3.4373D-04
-1.1777D-05 [illegible] 3.9921D-04 -1.1779D-05 [illegible] 4.0110D-04 -1.1783D-05 [illegible] 4.0356D-04 -1.1787D-05
[illegible] 4.0482D-04 -1.1792D-05 [illegible] 4.0490D-04 -1.1796D-05 [illegible] 4.0383D-04 -1.1844D-05 [illegible]
2.9832D-04 -1.1798D-05 9.8069D-02 3.9067D-04 -1.1797D-05 1.1286D-01 4.0258D-04 2.0689D-05 -1.1796D-05 [illegible]
4.1110D-04 -1.1797D-05 [illegible] 4.3419D-04 -1.1798D-05 [illegible] 4.3808D-04 -1.1804D-05 [illegible] 4.5670D-04
-1.1805D-05 [illegible] 4.6258D-04 -1.1811D-05 [illegible] 4.6465D-04 -1.1814D-05 [illegible] 4.6500D-04 -1.2275D-05
[illegible]

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 6.6144D 00 CYC./SEC.

-1.1730D-02 4.8101D-07 -3.0012D-10 [illegible] -2.0912D-05 4.0085D-07 [illegible] -2.7473D-05 3.7582D-07 [illegible]
2.9637D-05 3.7565D-07 8.4235D-02 9.2490D-02 9.4225D-02 9.2673D-02 [illegible] 2.9548D-05 -9.7119D-06 9.2043D-02
-2.9713D-05 -9.7061D-06 [illegible] -1.2028D-04 -7.3328D-06 [illegible] -2.2830D-04 -4.9125D-06 9.2757D-02 -1.2939D-04
[illegible]

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9.86611D-05 5.14720D-06 2.10980D-04 8.24100D-06 3.25200D-04 5.32270D-06 -1.23180D-04

6.97200D-06 9.61340D-02 -8.38700D-05 5.39610D-06 9.61110D-02 1.22920D-04 5.32380D-06 6.59240D-06 -4.29350D-04

5.53750D-06 5.62370D-04 6.23600D-06 7.03510D-04 6.35680D-06 9.36240D-04 6.93870D-06

1.18210D-03 7.12480D-06 1.43220D-03 7.19120D-06 1.68360D-03 7.20240D-06 -1.13850D-01

1.76010D-03

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 6.94690D-00 CYC./SEC.

4.00550D-05 -3.54110D-06 1.55030D-06 -3.21340D-04 1.22080D-04 -3.39880D-04 -5.84280D-05 -3.40780D-04

-5.84610D-05 -3.21420D-04 -3.50420D-04 -3.37410D-03 1.51240D-02 -3.46070D-04 -1.95660D-03 -3.48960D-04

-6.26670D-02 -1.90320D-03 -3.50330D-04 -6.18840D-04 -3.52570D-04 -4.03560D-04 4.69130D-02 -7.59620D-02

-9.42630D-04 -7.59620D-02 -9.42630D-04 -3.55470D-04 3.61540D-04 -8.29710D-02 8.39850D-04

-3.64010D-04 1.30880D-03 -3.64280D-04 -5.47780D-02 1.32770D-03 -3.64880D-04 1.36020D-03 -3.65460D-04

1.39080D-03 -3.66040D-04 1.41950D-03 -3.66620D-04 1.44640D-03 -3.73300D-04 -5.93360D-02

2.11600D-03 -3.66870D-04 -4.71880L-02 1.48430D-03 -3.66770D-04 9.86900D-03 1.44810D-03 -2.60050D-06 -3.66690D-04

1.50790D-03 -3.66940D-04 1.70830D-03 -3.66930D-04 1.74310D-03 -3.67820D-04 1.91070D-03

-3.66460D-04 1.96440D-03 -3.68970D-04 1.98360D-03 -3.69360D-04 1.98670D-03 -4.42860D-04

4.91670D-01

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.13060 01 CYC./SEC.

3.03170D-07 3.24560D-02 5.07400D-08 -6.94140D-06 -2.91820D-03 5.89310D-05 -6.26740D-06 -2.15230D-03 3.87080D-05 -6.23410D-06

-2.00280D-03 3.86970D-05 -6.94610D-06 -5.81050D-06 -1.48120D-03 2.95850D-03 -5.96050D-06 -2.08120D-03 -6.30600D-04 -5.92670D-06

-5.85270D-03 -6.24590D-04 -5.80660D-06 -1.01990D-02 -1.18490D-04 -6.14010D-06 -1.20000D-02 -5.68030D-05 1.56520D-02 -9.03410D-03

-2.27710D-04 -1.56640D-02 -9.03410D-03 -2.27710D-04 -6.57540D-06 -1.14310D-02 -1.09940D-04 -6.80190D-06 -8.67800D-03 2.00720D-04

-7.02790D-06 -4.90080D-03 2.80430D-04 -7.04200D-06 -1.73830D-03 2.83200D-04 -7.07360D-06 4.51210D-03 2.86940D-04 -7.10490D-06

-1.06240D-02 -2.89110D-04 -7.13570D-06 -1.71630D-02 -2.89730D-04 -7.16610D-06 -2.24930D-02 -2.88850D-04 -7.52240D-06 -1.81800D-03

5.63740D-04 -7.17950D-06 1.32400D-03 2.93370D-04 -7.17420D-06 1.25510D-02 2.88260D-04 1.20600D-06 -7.17040D-06 2.89420D-02

-2.90300D-04 -7.17970D-06 -3.53680D-02 -3.00430D-04 -7.18580D-06 -4.19480D-02 -3.03720D-04 -7.24600D-06 -5.30630D-02 -3.36080D-04

-7.29040D-06 6.52100D-02 3.61320D-04 -7.32640D-06 7.82250D-02 3.85320D-04 -7.35570D-06 9.20820D-02 4.09400D-04 -1.31250D-05

-1.61150D-01

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.23610 01 CYC./SEC.

7.09200D-06 -1.55960D-03 -1.43280D-06 -1.94380D-04 1.65460D-01 3.03020D-04 -1.92150D-04 1.74370D-01 6.11870D-04 -1.92030D-04

1.79320D-01 6.11720D-04 -1.94540D-04 -1.89200D-04 -7.77620D-03 6.34860D-02 -1.90960D-04 1.80500D-01 -9.29640D-03 -1.90820D-04

1.24650D-01 -9.38370D-03 -1.89040D-04 5.67130D-02 -2.54500D-03 -1.98910D-04 1.74580D-02 -1.80180D-03 2.35750D-01 7.12790D-02

-3.96030D-03 -2.36140D-01 7.12790D-02 -3.96030D-03 -2.11770D-04 3.67920D-03 9.70910D-05 -2.20750D-04 4.87210D-03 2.95710D-05

-2.29720D-04 5.22210D-03 -4.33070D-05 -2.30280D-04 4.75240D-03 -4.65160D-05 -2.31540D-04 3.74390D-03 -5.27020D-05 -2.32780D-04

2.59540D-03 -5.94510D-05 -2.34010D-04 1.29560D-03 -6.67490D-05 -2.35210D-04 -1.66920D-04 -7.45870D-05 -2.49330D-04 9.51330D-03

-4.99330D-04 -2.35740D-04 6.50780D-03 -9.46220D-05 -2.35530D-04 2.71600D-03 -7.56760D-05 3.51160D-07 -2.35400D-04 -1.77210D-03

-6.32830D-05 -2.35800D-04 -4.37540D-03 -1.34000D-04 -2.36060D-04 -7.52780D-03 -1.42160D-04 -2.38740D-04 -1.32400D-02 -1.83040D-04

-2.40720D-04 -1.98940D-02 -1.97150D-04 -2.42360D-04 -2.68920D-02 -2.03110D-04 -2.43700D-04 -3.40250D-02 -2.05270D-04 -5.13570D-04

-2.79250D-02

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.53850 01 CYC./SEC.

2.37190D-07 -2.22360D-04 -2.17790D-07 -1.02570D-05 3.65070D-02 -1.59080D-05 -1.03600D-05 3.70200D-02 4.77440D-05 -1.03640D-05

-1.18771-02 7.00750-04 -1.07701-05 4.41700-02 -1.56130-04 -1.13700-05 4.01000-02 -1.99900-04 -1.52650-02 6.15220-02
-3.95301-05 1.52470-02 4.15220-02 -3.95300-05 -1.25660-05 3.43380-02 -1.12660-04 -1.35660-05 2.56650-02 -1.77540-04
-1.45840-05 1.67100-02 -1.56600-04 -1.46270-05 1.45310-02 -1.52140-04 -1.47680-05 1.40320-02 -1.35000-04 -1.49080-05
6.61220-03 -1.05710-04 -1.50460-05 3.65200-03 -6.42250-05 -1.51830-05 1.70880-03 -1.05110-05 -1.66410-05 -1.43390-01
2.07490-02 -1.52360-05 -2.32210-02 5.45210-04 -1.52150-05 1.30280-03 8.51280-06 3.60400-06 -1.52180-05 1.41730-03
-1.73530-05 -1.52970-05 7.11580-04 -4.04300-05 -1.53500-05 -2.75660-04 -4.45880-05 -1.59640-05 -2.21440-03 -6.54200-05
-1.64370-05 -4.63010-03 -7.24430-05 -1.68420-05 -7.21350-03 -7.52060-05 -1.71970-05 -9.85610-03 -7.59380-05 -9.24710-05
-1.14130-02

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.7001D 01 CYC./SEC.

2.53950-04 -4.69740-06 5.11480-10 -1.50590-02 -7.57260-05 1.04410-06 -1.59270-02 -6.18400-05 7.20960-07 -1.59670-02
-5.88420-05 7.20800-07 -1.50820-02 -1.62050-02 -1.51090-02 -1.63420-02 -1.62850-02 -6.00890-05 -1.04300-05 -1.63230-02
-1.22470-04 -1.03330-05 -1.61800-02 -1.58060-04 5.47350-06 -1.60120-02 -6.78960-05 4.41230-06 -1.66310-02 -9.67620-05
2.06130-06 -1.71590-02 -9.67620-05 2.06130-06 -1.57880-02 -1.27010-05 1.20700-06 -1.51670-02 5.91470-06 8.02650-07
-1.45440-02 1.49960-05 3.16850-07 -1.44980-02 2.29570-05 2.93290-07 -1.43910-02 2.96210-05 2.43550-07 -1.42810-02
3.50940-05 1.84600-07 -1.41700-02 3.91660-05 1.15150-07 -1.40570-02 4.16340-05 3.70620-08 -1.57400-02 1.40150-06
6.59950-06 -1.41180-02 3.76260-05 8.51570-08 -1.40930-02 4.05670-05 3.06630-08 2.89270-09 -1.37960-02 3.96450-05
-1.50020-07 -1.31860-02 2.77620-05 -7.83610-07 -1.27530-02 7.90910-06 -8.98270-07 -7.18090-03 -3.40520-05 -1.47660-06
-2.75790-03 -8.92610-05 -1.67190-06 1.17390-03 -1.49130-04 -1.74840-06 4.75420-03 -2.10630-04 -1.76800-06 7.94230-01
-2.69630-04

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.9106D 01 CYC./SEC.

-1.63010-06 -6.00600-03 4.71620-07 1.09610-04 -1.11180-01 4.28000-04 1.18540-04 -1.06070-01 2.60260-04 1.18960-04
-1.05200-01 2.60220-04 1.09820-04 1.21600-04 -1.06110-02 -3.77160-02 -1.22260-04 -1.05820-01 -2.47550-03 -1.22650-04
-1.20560-01 -2.43160-03 1.21360-04 -1.26280-01 1.51060-03 1.36600-04 -9.19600-02 1.63120-03 6.28570-02 -1.08840-01
1.07590-03 -6.26010-02 -1.08840-01 1.07590-03 -1.56480-04 -5.60990-02 -8.27160-04 -1.71790-04 -2.28890-02 -9.91180-04
1.87070-04 1.06560-02 8.78980-04 1.88020-04 2.16910-02 8.62580-04 1.90140-04 4.29070-02 8.05700-04 1.92220-04
6.24810-02 7.12990-04 1.94270-04 7.96330-02 -5.84990-04 1.96290-04 9.35990-02 -4.22440-04 -2.26930-04 -4.47770-02
5.22790-03 1.97790-04 7.06160-02 2.73950-04 1.96940-04 7.87260-02 3.58650-04 3.74930-06 1.96170-04 9.76210-02
1.11290-04 1.58840-04 8.56660-02 -9.55960-04 1.95560-04 6.04150-02 -1.15170-03 -1.90750-04 -1.92240-03 -2.15070-03
1.86060-04 -7.95160-02 -2.49040-03 1.82830-04 -1.69080-01 -2.62420-03 1.79060-04 -2.61480-01 -2.65760-03 -7.01210-04
-3.87140-01

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 2.6282D 01 CYC./SEC.

-2.22070-06 2.26810-03 2.16060-07 2.84570-04 -1.21690-01 -4.92920-04 1.64370-04 -1.26720-01 -1.70930-04 1.58440-04
-1.26410-01 -1.71030-04 2.85610-04 8.57060-05 1.26540-02 -1.53980-01 1.09840-04 -1.25010-01 -4.96880-03 1.03850-04
-1.55040-01 -5.07950-03 8.53940-05 -1.44900-01 6.14010-03 1.95400-04 -3.83500-04 5.53110-03 1.36610-01 -7.88760-02
6.48250-03 -1.36390-01 -7.88760-02 6.48250-03 3.39090-04 7.80840-02 -2.08300-04 4.38290-04 6.33400-02 -6.63860-04
5.37320-04 4.37180-02 -1.00050-03 5.43510-04 3.18750-02 -1.00740-03 5.57460-04 8.40070-03 -1.00380-03 5.71230-04
-1.47850-02 -9.78920-04 5.84800-04 -3.71820-02 -9.32890-04 5.98150-04 -5.83070-02 -8.66210-04 8.02770-04 4.11250-03
8.42100-04 6.05010-04 8.23750-03 -8.77980-04 6.02100-04 -2.57410-02 -8.60350-04 1.97730-06 5.98890-04 -7.27550-02
-6.85730-04 6.00240-04 -7.99250-02 -3.66120-05 6.00930-04 -7.85510-02 8.83330-05 6.02280-04 -6.31550-02 7.65030-04
6.01870-04 -3.20280-02 1.00290-03 5.99080-04 4.85920-03 1.09940-03 5.56680-04 4.38040-02 1.12340-03 -4.33760-04
1.86440-01

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 2.7688D 01 CYC./SEC.

1.32140-06 -2.00120-04 -2.79011-07 -2.12540-04 -6.09230-05 -3.10720-03 -1.40730-05 -1.74470-02 8.43470-03 -4.11410-06

-4.90190-03 2.43500-03 -2.17410-04 1.07730-04 -7.31920-02 -1.94830-02 7.66040-05 -6.87450-03 2.01690-04 8.65030-05

-5.36380-03 3.51670-04 1.07300-04 -9.76640-04 7.80420-04 1.46460-04 1.01180-02 -9.72700-04 -9.46670-03 2.84160-03

6.70500-04 9.65670-03 2.84160-03 6.70500-04 1.97540-04 2.70120-02 2.19990-03 2.69110-04 2.52880-02 8.54130-04

3.40500-04 8.86820-03 -2.44730-04 3.45030-04 4.62020-03 -2.75900-04 3.55120-04 -4.95160-03 -3.17020-04 3.65070-04

-1.49430-02 -3.20030-04 3.74890-04 -2.46070-02 -2.89140-04 3.84580-04 -3.32020-02 -2.24780-04 5.36120-04 -2.44720-02

-1.11210-03 3.89550-04 -2.72430-02 -2.25800-05 3.87400-04 -2.56190-02 -2.05030-04 -6.18850-07 3.85120-04 -3.69980-02

-1.71770-04 3.86170-04 -3.85600-02 2.89480-05 3.86730-04 -3.73330-02 6.93480-05 3.98530-04 -3.08610-02 2.92790-04

3.88690-04 -1.91550-02 3.72910-04 3.88120-04 5.49710-03 4.05940-04 3.86280-04 8.86890-03 4.14220-04 -2.36040-04

5.22630-02

•••MODE SHAPE•••CORRESPONDING TO NATURAL FREQUENCY 3.5812D 01 CYC./SEC.

5.48600-06 -3.32450-03 -8.99010-09 -1.30990-05 4.52140-03 -1.29690-04 -8.30420-05 2.34660-03 -1.31440-04 -8.64220-05

1.56310-03 -1.31470-04 -1.31880-05 -1.17370-04 3.25100-03 -3.80660-02 -1.12650-04 1.56540-03 -5.75730-04 -1.16950-04

-1.98540-03 -5.74520-04 -1.16580-04 5.56730-03 1.50770-03 -5.64210-05 4.21050-02 1.15990-03 1.65620-02 2.39630-02

2.24070-03 -1.68370-02 2.39630-02 2.24070-03 2.23060-05 3.96370-02 8.74040-06 8.85360-05 2.41370-03 3.82130-04

1.54700-04 -2.74240-02 1.24380-03 1.59890-04 -1.58920-02 1.29430-03 1.68360-04 7.69760-03 1.42890-03 1.77720-04

3.47730-02 1.62230-03 1.86980-04 6.65080-02 1.87490-03 1.96120-04 1.04090-01 2.18850-03 3.70750-04 -1.97030-01

-8.67660-03 2.01170-04 -1.99690-01 4.77600-03 1.98780-04 1.56220-02 2.31220-03 1.43700-05 1.96680-04 1.44900-01

1.96200-03 1.97810-04 1.81310-01 1.09640-03 1.98450-04 2.04000-01 8.98580-04 2.02030-04 2.12570-01 -3.71730-04

2.03930-04 1.90710-01 -8.56670-04 2.04670-04 1.56740-01 -1.06880-03 2.04350-04 1.18150-01 -1.12320-03 -5.99130-05

-2.51950-01

•••MODE SHAPE•••CORRESPONDING TO NATURAL FREQUENCY 4.7306D 01 CYC./SEC.

-2.34630-04 7.40890-06 1.39030-09 9.79260-02 -2.01600-03 7.68410-06 1.09980-01 -1.61260-03 3.39280-05 1.10470-01

-1.30660-03 -3.39890-05 -9.90940-02 -9.95330-02 -9.88990-02 -1.01370-01 -1.13790-01 -1.20450-03 -5.66320-06 1.14110-01

-1.25470-03 -1.37400-05 9.83600-02 -1.31530-03 -7.26600-05 8.11920-02 -7.79680-04 -4.76260-06 1.55170-01 -1.16650-03

-2.90660-05 -1.64250-01 -1.16650-03 -2.90060-05 -5.85640-02 -9.47120-04 -1.25000-05 -2.05380-02 -9.29570-04 -2.21190-06

-1.75150-02 7.90440-04 -6.73630-06 -1.99980-02 6.98160-04 -6.98110-06 -2.56650-02 5.02760-04 -7.05900-06 -3.13040-02

-3.08210-04 -6.63060-06 -3.69090-02 1.26730-04 -5.67120-06 -4.24760-02 -2.91120-05 -4.16860-06 -2.30660-01 -7.80290-04

-2.75850-05 -4.66750-02 -6.20630-04 1.32570-05 -4.41640-02 1.03460-04 -3.57340-06 9.17910-08 -4.27090-02 -1.19850-04

-4.59930-06 -4.31870-02 -2.46650-04 -5.47450-06 -4.34630-02 -3.79760-04 -5.50950-06 -4.52450-02 -5.51360-04 -4.26930-06

-4.62930-02 -6.88310-04 -3.57740-06 -4.68470-02 -8.05860-04 -3.18470-06 -4.69510-02 -9.14360-04 -3.07860-06 7.01170-03

-5.31820-04

•••MODE SHAPE•••CORRESPONDING TO NATURAL FREQUENCY 5.2151D 01 CYC./SEC.

-8.16390-07 -2.99740-03 -3.17440-08 4.14280-04 6.89500-02 2.33240-04 4.68970-04 5.95850-02 -1.02790-03 4.92070-04

4.54310-02 -1.02830-03 4.20300-04 4.29230-04 -5.49530-03 -2.34670-02 5.13790-04 4.34870-02 -6.43430-04 5.16010-04

4.04210-02 -2.49400-04 4.23090-04 5.54540-02 9.42140-04 4.01420-04 9.79680-02 -5.19580-04 9.79820-03 9.67990-02

5.79380-03 -8.28300-03 9.67990-02 5.79380-03 3.72000-04 -4.61230-02 -4.50750-04 2.28490-04 -6.93790-02 -6.14520-05

8.46340-05 -8.59210-02 5.73800-04 7.48680-05 -7.95080-02 6.01450-04 5.23210-05 -6.54410-02 6.46280-04 2.97050-05

-5.00740-02 6.80140-04 7.05150-06 -3.37940-02 6.99650-04 -1.56110-05 -1.70800-02 6.98640-04 -1.28500-03 1.07760-01

3.70080-03 -3.86700-05 7.58530-02 -2.14080-03 -2.29390-05 -4.17960-02 6.49080-04 -6.31970-06 -1.57190-05 3.95510-03

1.13370-03 -1.50390-05 5.19630-02 2.41330-03 -1.60670-05 1.12840-01 2.59920-03 -1.69170-05 2.09160-01 2.85360-03

-1.74250-05 7.09300-01 2.80720-03 -1.77040-05 4.04960-01 2.72630-03 -1.77740-05 4.99220-01 2.70320-03 2.12790-06

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 5.4641D 01 CYC./SEC.

-1.3290D-07 3.2050D-03 -3.5483D-08 1.0191D-04 8.0601D-02 1.4857D-04 1.4328D-04 6.6089D-02 -1.4728D-03 1.4513D-04
5.0896D-02 -1.4735D-03 1.0353D-04 1.3127D-04 -3.6699D-03 -1.1206D-02 1.5503D-04 4.4617D-02 -6.4915D-04 1.6058D-04
4.1726D-02 -1.5076D-04 1.2921D-04 5.4941D-02 4.4635D-04 1.3636D-04 8.8050D-02 -1.0262D-03 5.9751D-03 9.4453D-02
5.6651D-03 -5.4809D-03 9.4453D-02 5.6651D-03 1.4530D-04 -7.3424D-02 -2.6206D-04 1.0856D-04 -4.7046D-02 2.9075D-04
7.1642D-05 -1.5576D-02 5.1636D-04 6.8982D-05 -7.9343D-03 5.0783D-04 6.2733D-05 7.1127D-03 -4.5311D-04 5.6396D-05
2.0363D-02 3.4703D-04 4.9579D-05 3.0689D-02 1.9091D-04 4.3491D-05 3.6906D-02 -1.2904D-05 -5.2905D-04 -4.9378D-02
-1.7105D-03 3.4268D-05 -3.2496D-02 1.3765D-03 4.1201D-05 3.8036D-02 -1.7542D-05 -3.6516D-06 4.3823D-05 2.6854D-02
-6.3795D-04 4.4506D-05 -1.6680D-02 -2.6042D-03 4.4904D-05 -8.6170D-02 -2.9208D-03 4.7583D-05 -2.0444D-01 -3.7583D-03
4.9195D-05 -3.3858D-01 -3.8933D-03 5.0091D-05 -4.7424D-01 -3.8730D-03 5.0337D-05 -6.0903D-01 -3.8658D-03 -5.4314D-06
2.3469D-01

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 6.2526D 01 CYC./SEC.

-6.2800D-05 -1.7111D-06 3.0205D-10 4.5838D-02 -7.4321D-04 3.6775D-06 6.8578D-02 -4.7971D-04 2.3263D-05 6.9579D-02
-2.6597D-04 2.3276D-05 4.6801D-02 5.4226D-02 4.6707D-02 5.6616D-02 7.7016D-02 -1.9368D-04 4.2970D-07 7.7833D-02
-2.0241D-04 -5.1961D-06 5.3110D-02 -2.5829D-04 -9.3613D-05 2.6799D-02 -3.6993D-05 -3.5823D-05 1.4395D-01 -3.5214D-05
4.3335D-05 1.4347D-01 -3.5214D-05 4.3335D-05 -7.7063D-03 1.3224D-04 3.5551D-06 -3.8987D-02 1.6463D-04 8.8460D-07
-7.0181D-02 1.6268D-04 -1.8487D-06 -7.1976D-02 1.3674D-04 -1.9338D-06 -7.5895D-02 8.7153D-05 -2.0102D-06 -7.9674D-02
3.4218D-05 -1.9776D-06 -8.3305D-02 -1.7127D-05 -1.8295D-06 -8.6780D-02 -6.3884D-05 -1.5652D-06 2.1325D-01 -3.8529D-05
-1.1755D-06 -8.4075D-02 -1.8136D-05 -1.5749D-07 -8.7444D-02 -6.5886D-06 -1.5236D-06 6.8353D-09 -8.7682D-02 -8.7621D-05
-9.7082D-07 -8.9548D-02 -8.2906D-05 1.2090D-06 -9.0642D-02 -4.8729D-05 1.6287D-06 -9.8268D-02 4.1474D-05 3.4388D-06
-1.0293D-01 1.7193D-04 3.9886D-06 -1.0560D-01 3.1456D-04 4.1631D-06 -1.0646D-01 4.6068D-04 4.2109D-06 8.5544D-03
-1.2260D-04

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 6.6687D 01 CYC./SEC.

-1.1604D-11 -5.1122D-12 2.1786D-16 -1.2116D-11 -2.3609D-11 -5.8684D-14 -1.1784D-11 -2.4797D-11 -7.0142D-14 -1.2002D-11
-2.5266D-11 -7.0056D-14 -1.2157D-11 -1.1502D-11 -1.0687D-11 -2.1202D-11 -1.1333D-11 -2.5323D-11 -1.3206D-12 -1.1791D-11
-1.7275D-11 1.3631D-12 -1.2038D-11 -7.6305D-12 3.9221D-13 -9.7516D-12 -1.5768D-12 2.8692D-13 -4.5503D-11 -4.2148D-02
-1.1660D-02 2.1394D-11 4.2148D-02 -1.1660D-02 -1.1154D-11 1.9457D-12 -3.2684D-14 -1.1416D-11 9.3818D-13 -4.7474D-14
-1.1657D-11 -1.5869D-13 -5.3880D-14 -1.1661D-11 -8.2361D-13 -5.5798D-14 -1.1669D-11 -2.0802D-12 -5.5594D-14 -1.1698D-11
-3.4626D-12 -5.0709D-14 -1.1746D-11 -4.4073D-12 -4.7490D-14 -1.1800D-11 -5.4673D-12 -4.3817D-14 -1.1597D-11 -1.7995D-12
6.8659D-14 -1.1837D-11 -1.6123D-12 -5.3982D-14 -1.1824D-11 -3.8099D-12 -4.3960D-14 -3.5178D-16 -1.1749D-11 -6.5751D-12
-2.8360D-14 -1.1621D-11 -7.6555D-12 -5.8091D-14 -1.1601D-11 -5.5943D-12 -8.3113D-15 -1.4096D-11 -8.1198D-12 -4.7435D-14
-1.1081D-11 -7.9866D-12 4.1734D-14 -1.0295D-11 -5.8590D-12 2.5324D-14 -1.3484D-11 -5.9172D-12 -5.8265D-14 -1.1620D-11
2.7078D-11

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 7.4851D 01 CYC./SEC.

1.0399D-07 -1.3347D-03 -1.3224D-08 -1.7160D-04 5.3978D-02 2.1437D-05 -1.2401D-04 3.1470D-02 -2.2275D-03 -1.2139D-04
9.7325D-03 -2.2294D-03 -1.7683D-04 -1.4623D-05 -7.2904D-04 1.3826D-02 -9.8266D-05 1.6540D-03 -5.6778D-04 -9.5249D-05
-4.0010D-04 9.8112D-05 -1.4192D-05 -1.0212D-03 -5.3730D-04 -2.4908D-05 -6.8426D-03 -7.3888D-04 -4.4622D-03 -1.1144D-03
9.5674D-04 3.6066D-03 -1.1144D-03 9.6674D-04 -3.8778D-05 -4.9522D-02 1.7780D-04 -1.0967D-05 9.0168D-02 -4.4933D-04
1.6879D-05 2.1042D-01 -2.8099D-03 1.8631D-05 1.8189D-01 -2.9144D-03 2.2577D-05 1.2021D-01 -3.1241D-03 2.6462D-05
5.2173D-02 -3.3670D-03 3.0277D-05 -2.1387D-02 -3.5692D-03 3.4012D-05 -9.9354D-02 -3.7875D-03 -3.4365D-05 -8.7625D-02
-2.3539D-03 3.4300D-05 -1.4679D-02 2.8727D-04 3.4959D-05 4.9835D-02 -3.5019D-03 -1.4888D-05 3.4552D-05 -1.7310D-01

4.4247D-05 6.6[illegible]D-02 6.3217D-03 4.0032D-05 2.9995D-01 6.9261D-03 4.7680D-05 5.4395D-01 7.1009D-03 -8.5952D-06
-9.2003D-02

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 7.9453D 01 CYC./SEC.

-1.1767D-06 -8.7778D-05 6.4629D-08 -1.3876D-03 -2.8021D-01 4.5647D-04 -4.3353D-04 -1.3859D-01 1.3781D-02 -3.8567D-04
-7.2465D-03 1.3794D-02 -1.4353D-03 1.1481D-04 -1.3498D-02 2.4557D-02 1.0399D-05 3.9342D-02 3.3099D-03 5.9019D-05
5.1968D-02 -2.7336D-04 1.1100D-04 5.4662D-02 -9.4520D-04 -2.6350D-05 5.4260D-02 -1.8878D-03 2.6206D-02 8.7213D-02
-1.4710D-03 -2.5754D-02 8.7213D-02 -1.4710D-03 -2.0576D-04 -1.0340D-02 -5.7754D-03 -7.6564D-05 -2.1120D-02 -2.8847D-03
5.2908D-05 1.7970D-04 -4.8602D-04 6.1158D-05 -1.9525D-03 -3.6898D-04 7.9815D-05 -2.9537D-03 -2.9288D-04 9.8232D-05
-2.3611D-03 -2.5459D-04 1.1636D-04 -1.6426D-03 -2.8470D-04 1.3413D-04 -2.2771D-03 -3.8346D-04 -1.0911D-04 -1.1687D-02
-3.5880D-04 1.3653D-04 -5.0487D-04 1.8842D-04 1.3869D-04 1.4510D-02 -4.2793D-04 -1.2618D-06 1.3659D-04 -9.7058D-03
-5.3389D-04 1.4175D-04 -1.5675D-02 -8.9902D-05 1.4481D-04 -1.7464D-02 -3.0528D-05 1.6760D-04 -1.1667D-02 3.5192D-04
1.8184D-04 3.1682D-03 4.9204D-04 1.9031D-04 2.1432D-02 5.4858D-04 1.9345D-04 4.0897D-02 5.6512D-04 -9.3407D-06
-6.0013D-03

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 8.4248D 01 CYC./SEC.

-3.6644D-06 -5.2651D-05 4.7381D-08 4.8588D-03 -2.6541D-01 -7.9781D-04 1.2507D-03 -1.3200D-01 1.3877D-02 1.0703D-03
4.7048D-03 1.3892D-02 5.0475D-03 1.5368D-04 2.5767D-02 8.4672D-03 -4.1841D-04 5.5766D-02 3.7676D-03 -6.0028D-04
7.0450D-02 -1.5324D-04 1.4794D-04 6.9838D-02 -3.2011D-04 8.3798D-04 6.3421D-02 -3.5291D-04 1.9027D-02 1.2745D-01
-1.0074D-03 -2.6171D-02 1.2745D-01 -1.0074D-03 1.7342D-03 -1.6631D-02 5.1769D-03 7.4105D-04 1.5030D-02 2.5996D-03
-2.5511D-04 1.6506D-02 1.9032D-04 -3.1935D-04 1.6453D-02 9.6510D-05 -4.6512D-04 1.2832D-02 -3.8969D-05 -6.0933D-04
6.5760D-03 -1.2772D-04 -7.5147D-04 -1.1765D-03 -1.6749D-04 -8.9108D-04 -9.2275D-03 -1.5762D-04 5.9764D-04 -5.9841D-04
-1.2853D-05 -9.1515D-04 8.8273D-05 -1.1596D-04 -9.2720D-04 -3.9116D-03 -1.4578D-04 -2.5860D-06 -9.1007D-04 -1.3292D-02
-1.5572D-04 -9.4967D-04 -1.7824D-02 -4.9429D-05 -9.7368D-04 -1.9500D-02 -1.0489D-05 -1.1537D-03 -1.4770D-02 2.7809D-04
-1.2669D-03 -2.9846D-03 3.9279D-04 -1.3347D-03 1.1651D-02 4.4233D-04 -1.3603D-03 2.7380D-02 4.5745D-04 5.8110D-05
-3.4895D-03

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 8.7008D 01 CYC./SEC.

-1.3816D-04 9.6324D-07 -5.7359D-10 1.9544D-01 4.0934D-03 3.3184D-05 5.4293D-02 2.1781D-03 -2.1398D-04 4.7210D-02
-8.5947D-06 -2.1422D-04 -2.0356D-01 -2.3538D-02 -2.0269D-01 -2.6072D-02 -1.1400D-02 -8.7182D-04 -6.5023D-05 -1.8570D-02
-1.1276D-03 1.3374D-06 2.2600D-02 -1.2504D-03 -9.7306D-05 6.3952D-02 -1.3003D-03 -4.1833D-05 -1.6529D-01 -2.3366D-03
-3.3047D-05 -1.6470D-01 -2.3366D-03 -3.3047D-05 -1.1753D-01 -3.9921D-04 -1.1307D-04 -5.2911D-02 -2.9251D-04 -5.7072D-05
-1.1940D-02 -3.2879D-04 -4.7359D-06 -1.6149D-02 -3.3426D-04 -2.6821D-06 -2.5720D-02 -2.6803D-04 2.9593D-07 -3.5198D-02
-1.4363D-04 -2.2628D-06 -4.4549D-02 -1.4323D-05 -3.1676D-06 -5.3740D-02 -1.7981D-04 -2.9932D-06 -3.2630D-02 -8.2313D-06
1.5106D-07 -5.5467D-02 -2.0496D-06 2.3330D-06 -5.6125D-02 -8.0920D-05 2.7303D-06 5.7908D-08 -5.4985D-02 2.6263D-04
-3.1239D-06 -5.7899D-02 -3.6416D-04 -1.3525D-06 -5.9166D-02 -4.0956D-04 -5.9093D-07 -7.1154D-02 -3.2297D-04 -5.5028D-06
-7.8713D-02 8.6248D-05 -7.9746D-06 -8.3258D-02 -2.1233D-04 -9.0603D-06 -8.4992D-02 -5.3499D-04 -5.3943D-06 3.3948D-03
-6.3244D-05

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.0784D 02 CYC./SEC.

-1.7478D-04 -1.5437D-06 3.5411D-11 3.7984D-01 7.6116D-04 3.6324D-05 1.3358D-01 5.8615D-04 -4.3085D-05 1.2087D-01
3.5254D-05 -4.3162D-05 4.0461D-01 -3.3059D-02 4.0365D-01 -3.9685D-02 1.3712D-02 -2.4293D-04 -2.3837D-05 5.0063D-04
-3.4213D-04 -2.2504D-06 -3.1033D-02 2.0802D-05 2.4883D-04 -6.1527D-02 6.1834D-04 1.0909D-04 -1.7889D-03 -6.1752D-06
-2.1781D-05 -1.4946D-03 -6.1752D-06 -2.1781D-05 -1.0068D-01 -4.6586D-05 -2.8806D-05 -5.4545D-02 -9.3682D-04 -1.3460D-05
-8.0506D-03 -1.5079D-03 9.7016D-06 -4.8766D-03 -1.3558D-03 1.0325D-05 2.4503D-03 -9.8425D-04 9.9589D-06 9.7617D-03

-3.81741-06 2.69930-02 1.17426-04 1.70310-06 2.60410-02 3.05770-04 -8.06260-06 -7.17620-05 2.52260-02 -2.73910-04

-9.46150-06 2.74560-02 -7.67670-04 -1.34160-05 2.88290-02 -1.17770-03 -1.22390-05 4.03150-02 -1.18800-03 1.19060-05

4.77300-02 -5.78960-04 2.27730-05 5.22950-02 3.11000-04 2.79430-05 5.41310-02 1.31820-03 2.96050-05 -1.38810-03

-9.59150-05

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.1049D 02 CYC./SEC.

-6.05350-07 3.24140-04 3.15440-10 1.51790-03 -2.13470-03 2.19290-05 5.86520-04 2.48800-04 2.43140-04 5.37920-04

2.41020-03 2.43600-04 1.62220-03 4.83820-05 1.03630-03 1.53800-02 1.24940-04 3.04280-03 5.04280-05 7.37290-05

3.25240-03 4.63920-06 4.52710-05 2.17010-03 -5.73840-04 -2.13740-04 -3.99740-03 -6.68770-04 9.40790-05 3.72710-03

1.27900-04 -4.37390-04 3.72710-03 1.27900-04 -5.49770-04 -2.91420-02 -4.15370-04 -3.01650-04 1.70790-01 -3.63370-04

-5.14240-05 3.50070-01 -2.79450-03 -3.42110-05 3.09480-01 -2.82540-03 -5.57250-06 -2.14540-01 -2.59520-03 -4.53230-05

1.22500-01 -1.91600-03 8.48110-05 4.66060-02 -7.38150-04 1.23810-04 5.26110-06 9.61780-04 -3.97940-05 2.31600-02

6.85880-04 1.22460-04 -2.34850-02 -3.54740-04 1.33900-04 -5.95670-02 -1.43390-03 -2.91450-06 -1.29610-04 -5.31640-02

1.96640-03 1.42040-04 1.70460-01 3.30460-03 1.49720-04 2.72560-01 3.08800-03 2.14860-04 2.81760-01 -2.63870-03

-2.57040-04 1.43140-01 -5.25730-03 2.83080-04 -6.34860-02 -6.51660-03 -2.53610-04 -2.98740-01 -6.92400-03 -7.16380-06

2.05950-02

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.2128D 02 CYC./SEC.

-8.03730-14 -4.92850-14 -6.06260-17 -2.15860-12 -5.15830-13 -9.44940-15 -1.91750-12 1.15730-11 -4.63320-12 -1.93390-12

-1.27460-11 -4.68310-12 -2.21290-12 -3.62330-13 -1.97590-12 3.04930-12 -2.26220-12 -8.04540-12 5.94850-13 -2.34840-12

-5.43160-12 1.41210-13 -1.32580-12 -5.35220-12 -6.75470-14 -1.46950-12 6.44030-13 1.68770-13 -7.56120-12 -2.87050-01

1.71210-03 -4.16110-12 2.87050-01 -1.71210-03 -1.76190-12 6.09870-12 1.14820-13 -2.53570-12 -2.22130-11 -4.77710-13

-3.28610-12 -5.39630-11 -7.12580-13 -3.25710-12 -5.75520-11 -6.94110-13 -3.12420-12 -5.92430-11 -7.68350-13 -2.54190-12

-6.10120-11 -9.89720-13 -2.70460-12 -6.70470-11 -1.41590-12 -2.40950-12 -7.99780-11 -2.06270-12 8.59480-12 -1.62630-11

-6.10020-13 -2.64690-12 4.40730-11 -1.22490-12 -2.91640-12 1.45190-11 -2.46120-12 -7.38630-15 -9.53590-14 -8.71460-11

-3.25140-13 5.42240-12 3.86330-12 4.26340-12 9.53270-12 1.35530-10 4.76240-12 6.76320-11 2.08280-10 -8.07590-13

1.03960-10 1.31270-10 -3.55900-12 1.24160-10 -2.12740-11 -5.08780-12 1.30420-10 -2.09000-10 -5.62550-12 -1.91940-12

-9.46280-12

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.3845D 02 CYC./SEC.

-7.48850-09 -2.63520-04 2.63520-11 2.68300-05 -1.07390-04 8.80490-06 5.06100-05 1.85620-04 2.88980-05 5.13680-05

4.03050-04 2.89330-05 2.98420-05 1.04200-04 2.14990-04 3.90360-03 5.49550-05 4.34890-04 3.57200-06 5.50560-05

4.52760-04 1.86030-06 9.36800-05 3.06200-04 -1.36640-04 3.60680-05 -7.27510-04 -1.50770-04 -7.25800-06 1.99490-06

1.30110-05 8.09710-05 1.95520-06 1.30110-05 3.99520-05 4.26400-03 2.53330-04 2.41390-05 4.85620-02 7.98340-04

-8.06170-06 1.07470-01 1.24060-03 -6.84200-06 1.13080-01 1.21490-03 -3.95180-06 1.13860-01 1.34380-03 -1.02560-06

1.14990-01 1.77390-03 1.91000-06 1.23470-01 2.56130-03 4.82820-06 1.47120-01 3.76110-03 -9.48860-07 3.52680-02

9.88230-04 5.53770-06 -7.98450-02 2.20200-03 5.50660-06 -2.85930-02 4.53290-03 1.42940-05 5.57090-06 1.56120-01

5.37560-04 7.22700-06 1.86020-02 8.21730-03 8.30850-06 2.69750-01 9.14780-03 1.92300-05 4.12800-01 1.30710-03

2.65560-05 -2.72830-01 6.69290-03 3.12130-05 1.16910-02 9.49850-03 3.21690-05 3.61320-01 1.04510-02 -5.10900-07

1.92330-02

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.5587D 02 CYC./SEC.

8.06460-07 2.02330-09 4.65590-12 -3.67140-03 -9.46400-05 -4.52310-07 6.61030-04 8.48560-05 2.49430-05 8.66420-04

2.96700-04 2.50360-05 -4.21010-03 5.34760-03 -4.19710-03 9.67150-03 2.48360-03 3.46580-04 5.06710-06 2.66280-03

3.70340-04 1.29960-06 4.66350-03 1.30520-04 -1.50230-04 6.08220-03 -4.04450-04 -7.22380-05 -1.41390-03 -1.01260-04

-2.8972D-02 -2.0460D-05 1.8799D-07 -2.9402D-02 -1.9178D-05 1.2661D-07 -3.0146D-02 -1.4946D-05 1.2166D+07 -3.0459D-02
-1.0138D-05 9.3101D-08 -3.0422D-02 -5.6429D-06 3.3094D-08 -3.0033D-02 -2.4641D-06 -6.2874D-08 4.7088D-03 -1.0347D-06
-2.9178D-08 -3.6092D-02 3.2876D-06 -5.8907D-08 -3.5676D-02 1.6888D-06 -1.0136D-07 5.2295D-09 -8.6815D-03 -2.2903D-06
-2.4736D-08 4.1157D-02 -1.9827D-06 1.1149D-07 7.5739D-02 1.1575D-06 1.3378D-07 4.8256D-01 3.7021D-06 7.6784D-09
7.6272D-01 2.7975D-06 -5.9426D-08 9.4411D-01 7.3289D-08 -9.5355D-08 1.0218D 00 -3.4903D-06 -1.0778D-07 -1.2376D-02
1.1441D-07

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.9403D 02 CYC./SEC.

-9.0906D-09 -1.1543D-05 4.8403D-12 -6.3693D-05 -1.2636D-04 1.6732D-07 -3.4318D-04 -2.6370D-04 -7.9981D-05 -3.5769D-04
8.6198D-04 8.0444D-05 -7.9441D-05 8.3178D-04 -8.4658D-05 1.0024D-02 4.4049D-04 9.3204D-04 6.2082D-06 4.4831D-04
-9.6444D-04 -4.0035D-06 6.6689D-04 -5.1441D-04 -2.9479D-04 -3.4293D-04 -7.6101D-04 -1.5450D-04 -1.0142D-04 -1.7346D-04
9.2350D-06 -1.5932D-04 -1.7346D-04 9.2350D-06 -9.3602D-05 -1.1066D-04 -1.9491D-05 -6.2105D-05 5.0227D-03 1.9865D-04
-2.9270D-05 1.1865D-02 3.6294D-04 -2.5996D-05 -1.3591D-02 3.4192D-04 -1.7798D-05 -1.3998D-02 3.4536D-04 -9.2816D-06
1.3918D-02 4.2350D-04 -5.9898D-07 1.5099D-02 5.8928D-04 8.0944D-06 1.9428D-02 8.8445D-04 -8.9076D-07 -1.0908D-01
-3.0362D-03 -1.1069D-05 6.0649D-01 -1.2792D-02 -1.0778D-05 -1.8970D-02 -9.4844D-04 -1.9342D-06 7.9693D-06 5.0586D-02
6.3319D-04 7.4741D-06 7.2115D-02 -1.7121D-03 6.9436D-06 3.8412D-02 -2.3886D-03 -4.4263D-06 -1.4264D-02 -6.1883D-04
-1.2836D-05 -1.6765D-02 2.9899D-04 -1.8547D-05 -1.9167D-04 -7.9997D-04 -2.1083D-05 3.1071D-02 -9.7647D-04 1.6411D-07
-6.4754D-04

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.9507D 02 CYC./SEC.

1.3937D-06 8.1729D-08 6.5672D-10 -9.9140D-03 -1.8796D-02 -2.7387D-05 5.3207D-02 3.9101D-02 1.2152D-02 5.5450D-02
1.2987D-01 1.2223D-02 -1.2399D-02 1.2879D-01 -1.1542D-02 1.5226D 00 6.8170D-02 1.4038D-01 9.1229D-04 6.8896D-02
1.4514D-01 5.9033D-04 1.0298D-01 7.5504D-02 -4.4579D-02 5.7055D-02 -1.1500D-01 -2.2604D-02 -1.5682D-02 -2.5507D-02
1.3738D-03 -2.4102D-02 -2.5507D-02 1.3738D-03 -1.4250D-02 1.0112D-02 1.0501D-04 -9.4802D-03 4.6903D-03 1.7153D-05
-4.5039D-03 -1.8605D-03 8.0424D-06 -4.0034D-03 -1.8332D-03 8.8421D-06 -2.7481D-03 -1.5196D-03 9.8281D-06 -1.4431D-03
-1.0594D-03 8.6000D-06 -1.1199D-04 -5.5950D-04 3.8283D-06 1.2212D-03 -1.5284D-04 -5.2403D-06 -1.3339D-04 6.7931D-04
1.8900D-05 1.6768D-03 -3.8262D-03 8.2111D-05 1.6320D-03 2.1834D-04 -8.6330D-06 9.9719D-07 1.2048D-03 -3.7429D-04
-3.9773D-06 1.1956D-03 -5.4383D-04 1.2705D-05 1.0598D-03 -3.0357D-04 1.7718D-05 -6.2931D-04 8.6965D-05 4.6449D-06
-1.8608D-03 1.3163D-04 -2.0101D-06 -2.7319D-03 -3.8948D-06 -5.6124D-06 -3.1102D-03 -2.2373D-04 -6.8758D-06 2.3948D-05
4.6183D-06

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 2.3028D 02 CYC./SEC.

-2.5670D-10 2.2208D-05 1.1398D-12 2.6438D-06 -4.4723D-06 1.3413D-06 7.1908D-06 3.4327D-05 1.8829D-05 7.2536D-06
-1.4964D-04 -1.8983D-05 3.6681D-06 -1.2287D-05 -4.2855D-05 7.1881D-05 6.7562D-06 -1.4133D-04 -1.8941D-07 6.5796D-06
1.4305D-04 1.2251D-06 8.8558D-06 2.7402D-04 -1.7181D-06 4.7437D-06 4.0881D-04 -1.1565D-05 4.5382D-06 -9.4526D-05
-4.5859D-07 -7.0595D-06 -9.4526D-05 -4.5859D-07 -8.8562D-07 7.8813D-04 -1.1128D-04 -6.5805D-07 -1.1346D-02 1.9954D-03
-4.1051D-07 4.6689D-03 4.2762D-03 -3.7244D-07 4.6409D-02 3.8117D-03 -2.7120D-07 1.0279D-01 2.9271D-03 -1.6312D-07
-1.2759D-01 -2.2034D-03 -5.0935D-08 -1.2375D-01 -1.8301D-03 -6.2537D-08 -1.0053D-01 -2.0019D-03 -5.6442D-09 -6.7772D-03
-1.9228D-04 1.0109D-07 5.6248D-02 -4.0426D-04 9.6762D-08 4.3568D-03 2.5997D-03 1.0148D-05 6.5054D-08 -7.8353D-02
-4.3330D-04 -6.8563D-08 -4.4067D-01 -8.7426D-03 -6.8711D-08 -4.0240D-01 -1.3831D-02 -5.0534D-05 -1.0233D-01 -4.0956D-03
-4.4749D-06 -2.6937D-02 4.4997D-04 -8.1228D-08 -4.2568D-02 -1.2163D-03 -9.8009D-08 -9.5304D-02 -1.7418D-03 5.5127D-10
-1.4389D-03

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 2.6215D 02 CYC./SEC.

-2.4616D-07 -1.4657D-09 -1.1656D-09 3.1623D-03 5.7056D-02 -2.2172D-05 -3.2511D-02 -2.6463D-01 1.1862D-01 -2.4342D-02

2.00601D-01 -1.73601D-03 -4.52411D-02 -2.12380D-01 3.93009D-01 -2.50570D-02 6.11209D-02 -1.24120D-03 -1.19620D-03 -3.86140D-02

5.22060D-04 1.08870D-02 -3.86140D-02 5.22080D-04 3.05060D-03 -8.77470D-04 2.28480D-05 2.74490D-03 -4.23520D-04 2.01120D-05

2.33130D-03 6.12080D-05 1.30440D-05 2.14450D-03 1.86750D-04 1.04180D-05 1.61210D-03 3.00010D-04 5.49500D-06 1.02710D-03

2.62100D-04 1.26560D-06 4.06540D-04 1.01960D-04 -1.58170D-06 -2.23380D-04 -1.17610D-04 -2.59720D-06 1.87370D-05 2.72210D-06

6.05530D-06 -4.40480D-04 -3.01910D-05 -5.93520D-07 -4.14240D-04 -2.09110D-05 -2.65530D-06 -9.97590D-08 -2.43000D-04 -6.46770D-05

-7.86690D-07 -2.77310D-04 1.23560D-04 -2.68330D-06 -2.89740D-04 1.59130D-04 -4.77350D-06 -8.99940D-05 6.80860D-05 -1.04100D-06

9.02500D-05 4.59580D-05 -4.05160D-07 2.27780D-04 3.24270D-05 -4.33180D-07 2.93280D-04 1.56580D-05 -5.23640D-07 -1.24620D-06

-2.04650D-07

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 2.8233D 02 CYC./SEC.

3.45440D-11 1.00400D-06 3.09000D-12 -5.14820D-07 -1.18810D-04 2.01200D-06 7.64380D-05 6.87330D-04 -1.25310D-04 7.96840D-05

1.08230D-04 -1.26960D-04 -6.87280D-07 1.52700D-04 -8.75750D-05 2.81080D-04 7.31620D-05 2.61950D-04 1.92630D-05 7.04820D-05

3.50400D-04 7.02650D-06 8.86020D-05 8.06540D-04 -2.97980D-06 4.97590D-05 1.16120D-03 -2.46400D-05 1.23460D-05 -1.51450D-04

-1.07960D-06 -2.93280D-05 -1.51450D-04 -1.07960D-06 -5.01390D-06 2.12620D-03 -2.53520D-04 -5.94350D-06 -5.60440D-02 7.31260D-03

-6.60200D-06 -6.36060D-03 1.54660D-02 -6.12180D-06 1.45600D-01 1.27140D-02 -4.67720D-06 3.08580D-01 -7.30360D-03 -3.05530D-06

2.98450D-01 2.47100D-03 -1.31770D-06 1.39010D-01 -9.10520D-04 4.69950D-07 -9.91900D-02 -2.21570D-03 -3.97500D-08 1.52140D-03

4.60560D-05 1.09030D-06 -1.98500D-02 -6.74590D-04 1.01260D-06 -1.90070D-02 -2.43320D-03 -9.73510D-06 -5.28640D-07 -7.49550D-02

-8.82430D-04 6.36550D-07 5.49090D-02 -1.51510D-03 6.80270D-07 9.35720D-02 -2.86210D-03 2.75460D-07 4.95650D-02 -2.15570D-04

-1.24410D-07 4.51030D-02 -2.16150D-04 -4.43510D-07 -3.06480D-02 -6.65970D-04 -5.99180D-07 -2.85590D-03 -9.28450D-04 -8.18540D-05

-4.87170D-05

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 3.1065D 02 CYC./SEC.

-3.09330D-07 -5.65900D-11 4.75710D-11 5.58070D-03 -3.32840D-03 -7.53340D-07 -6.91030D-02 2.30420D-02 -2.01200D-03 -6.99650D-02

1.62390D-02 -2.04220D-03 1.13470D-02 -1.34940D-01 1.13850D-02 5.73870D-03 -5.93710D-02 1.91950D-02 1.74040D-04 -5.61140D-02

2.00790D-02 1.09210D-04 -6.63680D-02 2.09250D-02 -2.76760D-03 -4.77410D-02 -3.28080D-03 -1.87240D-03 5.69650D-03 -1.87030D-03

4.91700D-05 5.17850D-03 -1.87030D-03 4.91700D-05 -1.87570D-02 2.41430D-04 4.18240D-06 2.07150D-01 1.48200D-04 1.28100D-06

4.21620D-01 -1.35220D-05 8.60550D-08 3.95340D-01 -1.69150D-05 7.42070D-08 3.08230D-01 -1.88150D-05 9.46520D-08 2.06970D-01

-1.54890D-05 1.24850D-07 9.62150D-02 -9.05260D-06 1.17540D-07 -1.89520D-02 4.81660D-07 4.17530D-08 1.78370D-03 -6.44040D-10

-7.10700D-11 -5.66040D-02 1.01040D-08 1.74250D-08 -5.42950D-02 6.58070D-07 8.23920D-09 2.42790D-08 -2.26370D-02 7.65100D-07

2.74110D-08 -2.97270D-02 5.43020D-09 1.48230D-08 -3.28980D-02 -4.02580D-07 2.24030D-08 -1.69610D-02 -5.28660D-07 -1.84420D-08

1.50290D-03 -9.80850D-07 -3.28710D-09 1.74680D-02 -7.15610D-07 1.95840D-08 2.55200D-02 1.76900D-07 3.13110D-08 -7.71250D-05

-9.72980D-10

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 3.2628D 02 CYC./SEC.

1.63840D-06 2.77800D-09 -4.51010D-10 -3.26070D-02 3.49740D-02 1.35100D-05 5.89610D-01 -2.70760D-01 1.67710D-02 5.93780D-01

-2.25760D-01 1.70490D-02 -7.42060D-02 1.09710D-00 -7.49750D-02 4.65610D-02 -4.61830D-01 -2.46990D-01 -1.51140D-06 4.29780D-01

-2.49120D-01 -1.05710D-03 4.82100D-01 -3.01600D-01 1.84650D-02 2.75750D-01 -2.45540D-02 1.55040D-02 -3.96880D-02 2.48710D-02

-4.63560D-04 -3.51420D-02 2.48710D-02 -4.63560D-04 -2.35590D-02 -1.23110D-03 -4.05070D-05 1.17150D-02 -8.84080D-04 -1.46430D-05

4.62750D-02 5.86890D-05 2.28100D-06 4.36630D-02 1.14160D-04 2.00180D-06 3.44020D-02 1.73980D-04 9.86180D-07 2.34000D-02

-1.63220D-04 -1.27750D-07 -1.12140D-02 -8.87150D-05 -7.81250D-07 -1.53970D-03 -1.48530D-05 -5.67030D-07 -1.64800D-04 1.01380D-07

3.52000D-09 -6.09100D-03 -1.80360D-06 -2.25540D-07 -5.48490D-03 -6.77830D-06 -3.60930D-07 -1.25100D-07 -1.92070D-03 -1.96310D-05

-4.24600D-07 -2.66840D-03 -9.87130D-06 -5.05010D-07 -3.01460D-03 -5.43820D-06 -7.00340D-07 -1.73020D-03 -1.27810D-05 1.23930D-06

-4.90060D-05 4.43400D-05 3.58280D-07 1.46330D-03 3.49730D-05 -9.51310D-07 2.24610D-03 -1.03340D-05 -1.62930D-06 -6.15180D-06

-5.48640D-06

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 3.3356D 02 CYC./SEC.

1.40911D-10 -4.09900D-05 8.09230D-14 -3.05490D-06 -5.45900D-06 3.48098D-08 6.09830D-05 4.49630D-05 -2.36890D-06 6.13760D-05

3.92520D-05 -2.40990D-06 -7.37090D-06 1.11250D-04 -9.48370D-06 -1.99910D-05 4.57690D-05 4.15740D-05 -3.67950D-08 4.22230D-05

4.19650D-05 2.64090D-07 4.60720D-05 7.46000D-05 2.17400D-06 2.64880D-05 5.25140D-05 -4.97720D-07 -2.96250D-06 -6.94090D-06

1.39290D-08 -4.04510D-06 -6.94090D-06 1.39290D-08 -2.07950D-06 4.16960D-05 -6.72490D-06 3.94570D-07 -1.14460D-03 2.72550D-04

2.84350D-06 1.41880D-03 5.54130D-04 2.69100D-06 5.74330D-03 4.13790D-04 2.13050D-06 7.11550D-03 1.59050D-04 1.45730D-06

1.55210D-03 -4.32770D-05 7.07100D-07 -7.95680D-03 -1.67870D-04 -8.05520D-08 -1.70430D-02 -2.17160D-04 9.39130D-09 1.32860D-04

4.06500D-06 -3.63290D-07 -2.48070D-03 -1.00220D-04 -3.25250D-07 -9.98680D-04 -4.47960D-04 -1.70730D-06 -1.02920D-07 3.20280D-02

1.74120D-03 -1.47190D-07 1.86310D-01 5.91110D-03 -1.67970D-07 2.87430D-01 6.34180D-03 -1.01060D-07 -8.15830D-02 -2.06670D-02

-7.53570D-09 -6.13340D-01 -6.73860D-03 7.85880D-08 -5.05660D-01 1.37320D-02 1.23650D-07 1.63790D-01 2.43730D-02 -3.24000D-10

-8.52900D-04

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 3.4705D 02 CYC./SEC.

-5.48910D-07 2.91200D-09 7.79490D-10 -1.23590D-02 -6.88920D-02 -4.38030D-05 2.62900D-01 6.12630D-01 2.48520D-02 2.63110D-01

5.70360D-01 -2.53190D-02 -3.37900D-02 4.63150D-01 -3.07960D-02 -2.47310D-01 1.81670D-01 5.81180D-01 -5.63770D-03 1.64610D-01

-5.63490D-01 1.00250D-03 1.69400D-01 8.43010D-01 1.03950D-02 9.81730D-02 2.66730D-01 8.31720D-03 9.10530D-03 6.17160D-02

6.51090D-04 -1.59740D-02 -6.17160D-02 6.51090D-04 -6.84620D-03 -2.10990D-03 6.21900D-05 -4.70410D-04 -9.61560D-04 3.21320D-05

-5.93760D-03 1.03920D-04 -1.11070D-05 5.65080D-03 -1.53450D-05 -9.73900D-06 4.51390D-03 -1.91170D-04 -6.34230D-06 3.11850D-03

-2.33480D-04 -2.81640D-06 1.54480D-03 -1.36360D-04 -9.37820D-08 -1.17850D-04 4.43730D-05 1.03580D-06 1.72000D-05 -2.76330D-07

-9.01780D-09 -7.21600D-04 5.60860D-06 -4.58890D-07 -6.39020D-04 9.83710D-06 -1.15700D-06 -2.07490D-07 -1.58740D-04 4.26640D-05

3.98570D-07 -2.40980D-04 -1.50680D-05 -2.76720D-07 -2.80330D-04 -4.92890D-05 8.52240D-08 -1.83610D-04 -8.73350D-06 1.83960D-06

-2.73230D-05 3.93450D-05 -6.98990D-07 1.23490D-04 3.57880D-05 -9.62240D-07 -2.04070D-04 -1.34090D-05 -1.83440D-06 -4.93860D-07

6.66410D-08

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 4.2585D 02 CYC./SEC.

-1.76480D-10 -1.20870D-14 2.55970D-15 5.98230D-06 -5.48900D-08 9.59530D-09 -7.91190D-04 9.03380D-07 -2.70710D-09 -7.70100D-04

8.70940D-07 -2.78510D-09 1.32870D-04 2.84750D-04 1.27540D-04 2.19510D-06 -2.31930D-04 6.45430D-07 -3.80960D-08 -1.52290D-04

5.10720D-07 2.85200D-09 1.28200D-05 2.67220D-06 5.08860D-07 1.13730D-04 2.92360D-06 3.03900D-07 7.51560D-06 -1.30300D-07

-1.65380D-09 7.50860D-06 -1.30300D-07 -1.65380D-09 2.24940D-04 -3.61660D-08 -3.40060D-10 -4.26690D-03 -2.58390D-08 -7.93150D-11

-8.31090D-03 6.22160D-10 -5.20870D-11 -7.08330D-03 1.32300D-09 -3.83050D-11 -3.35230D-03 2.50780D-09 -2.59540D-11 6.67730D-04

2.86110D-09 -2.48660D-11 4.63020D-03 1.61470D-09 -2.21540D-11 8.19340D-03 -1.99890D-12 -7.47330D-12 6.57580D-04 1.56860D-13

-2.40360D-15 -4.19720D-02 -3.62340D-12 -2.17850D-12 -3.43810D-02 -6.87900D-11 -7.81910D-13 -3.63530D-12 1.55380D-01 -9.99910D-11

-5.20480D-12 4.78770D-01 -2.68510D-11 -1.30830D-13 6.51640D-01 6.67920D-11 -3.05730D-13 7.55290D-01 3.31750D-11 -1.56150D-12

3.44100D-01 -1.12930D-11 -9.03270D-13 -2.48330D-01 -1.95290D-11 4.34610D-13 -6.16020D-01 7.71720D-12 1.09060D-12 9.89300D-04

-2.40320D-15

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 4.2814D 02 CYC./SEC.

2.62080D-07 2.79860D-12 -5.24140D-12 -9.00150D-03 1.54550D-04 -1.84560D-05 1.12200 00 -2.44470D-03 8.08470D-06 1.09120 00

-2.39050D-03 8.31990D-06 -2.59060D-01 -1.09690D 00 -2.45780D-01 -6.76350D-03 3.15600D-01 -1.80250D-03 9.72550D-05 2.01700D-01

-1.46840D-03 -1.17650D-05 -3.81130D-02 -8.01230D-03 -1.51510D-03 -2.29750D-02 -8.76350D-03 -9.09470D-04 -9.85280D-03 3.82890D-04

4.97450D-06 -9.82450D-03 3.82890D-04 4.97450D-06 1.05030D-03 1.07160D-04 7.60590D-07 4.12960D-04 7.57890D-05 1.12590D-07

-2.67750D-04 -1.88680D-06 1.60230D-07 -2.64030D-04 -3.74210D-06 1.20260D-07 -2.21460D-04 -6.86180D-06 8.17840D-08 -1.59590D-04

-7.22700D-06 7.44710D-08 -8.38090D-05 -4.37170D-06 6.34000D-08 -7.26130D-07 -2.51090D-08 2.03120D-08 -5.46620D-08 -2.17390D-10

-1.46071D-11 3.51870D-06 6.81860D-09 5.33870D-09 2.88200D-06 1.83870D-07 1.24230D-09 1.07850D-08 8.01850D-05 2.49340D-07

-1.46190D-08 2.59610D-04 9.15740D-08 5.73400D-10 3.54150D-04 -1.74050D-07 9.59060D-10 4.19680D-04 -9.78420D-08 3.75480D-09

1.[illegible] 1.[illegible] 2.[illegible] -1.[illegible] 4.[illegible] -8.[illegible] -3.[illegible] -1.[illegible] -2.[illegible] 5.[illegible]

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 4.3598D 02 CYC./SEC.

-3.4272E-08 -5.6154D-12 2.0536D-11 1.2179D-03 1.2336D-05 9.6979D-05 -6.9300D-03 1.2221D-03 1.9215D-05 -6.7770D-03
7.6288E-04 1.9789D-05 -1.2963D 00 6.3635D-03 1.2843D 00 6.9420D-05 -2.1512D-03 2.0711D-05 -1.2712D-04 -1.4513D-03
-5.0396D-04 -2.8810D-05 -5.9783D-06 -1.6705D-03 -2.3656D-07 -6.7775D-06 -5.8878D-04 3.3629D-05 3.4749D-05 4.4501D-05
-1.1449D-07 1.0152D-04 4.4501D-05 -1.1449D-07 -6.5273D-06 1.8722D-06 -2.3230D-06 -2.6440D-06 -9.9307D-06 -1.1948D-06
1.5269D-06 -1.0926D-06 4.8019D-09 1.5145D-06 1.2553D-06 3.7719D-08 1.2837D-06 8.1764D-06 3.9340D-08 9.3694D-07
1.0611D-05 -6.8173D-09 5.0546D-07 6.9214D-06 -4.6773D-08 2.8310D-08 -4.1598D-07 -3.0492D-08 1.7439D-09 1.6052D-09
6.3665E-11 -1.1647D-07 -5.2442D-08 -1.1735D-08 -9.4556D-08 -2.8492D-07 -1.4555D-08 1.4669D-10 -9.5037D-08 -8.5328D-07
-2.6550D-06 -3.6982D-07 -2.6404D-07 5.7656D-11 -5.1894D-07 4.2755D-07 -4.2646D-09 -6.6680D-07 2.3134D-07 -8.2754D-09
-3.2747D-07 -1.5330D-08 -5.4537D-09 2.0055D-07 -8.8872D-08 1.4576D-09 5.3597D-07 3.8985D-08 5.7661D-09 -8.2112D-10
-1.2088D-10

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 4.6947D 02 CYC./SEC.

4.5343E-06 -1.6244D-11 1.6461D-11 -1.8683D-01 -2.8586D-05 -8.8756D-05 -2.0358D-01 -1.7742D-03 -2.1143D-05 2.0390D-01
1.2976E-03 2.1879D-05 1.1631D 00 -1.7370D-01 1.1769D 00 8.0524D-03 8.8538D-02 3.4026D-04 -1.4343D-04 6.8083D-02
-1.9667E-04 -8.7297D-06 2.7902D-02 -3.9593D-03 -1.1678D-03 -1.7616D-02 -6.5384D-03 -8.4506D-04 -2.7462D-03 -1.8060D-04
-4.2818D-06 -2.7289D-03 -1.8060D-04 -4.2818D-06 2.6367D-04 -7.4032D-05 -2.1214D-06 1.1579D-04 -7.0811D-05 -1.1642D-06
-4.6696E-05 -1.0114D-05 -5.3565D-07 -4.7224D-05 -1.9222D-06 -2.8765D-07 -4.1117D-05 -3.4684D-05 -9.8120D-08 -3.0701D-05
4.8810D-05 -1.8629D-07 -1.7069D-05 3.3153D-05 -2.8782D-07 -1.6472D-06 -8.7339D-07 -1.4147D-07 -5.3084D-08 4.3997D-09
1.8886D-10 4.1195D-06 -1.6748D-07 -4.7739D-08 3.2124D-06 -1.1752D-06 -4.5046D-08 -7.5544D-09 -3.1880D-07 -3.2744D-06
-1.0315E-07 2.8208D-06 -1.5039D-06 -1.2223D-05 4.6409D-06 1.5519D-06 -1.4694D-08 9.6531D-06 9.5393D-07 -2.7866D-08
5.9121E-06 6.3115D-08 -2.2245D-08 -2.1004D-06 -2.9031D-07 -2.8508D-09 -7.6770D-06 -1.1711D-07 -2.0146D-08 -1.0141D-08
-2.8529D-10

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 4.8039D 02 CYC./SEC.

-3.2613D-10 -2.1700D-07 6.1930D-14 1.4070D-05 -1.6009D-05 -1.9624D-07 -6.8585D-05 2.8546D-04 1.0478D-06 -6.6001D-05
2.7998D-04 1.0857D-06 -6.5377D-05 -1.0469D-04 -8.8173D-05 1.6670D-04 -4.9892D-06 1.8281D-04 -2.8379D-05 2.8745D-06
6.9491D-05 -5.5102D-06 2.2530D-05 -1.0082D-04 2.3363D-06 1.3935D-05 -3.6118D-06 3.0987D-05 -5.3314D-06 -2.6502D-06
6.3416D-08 5.1106D-06 -2.6502D-06 6.3416D-08 -5.3569D-07 5.6010D-04 6.4577D-05 -2.3988D-07 -1.0640D-01 -4.7961D-03
8.7616D-08 -1.8668D-01 -8.0719D-03 8.9202D-08 -2.5387D-02 -4.3050D-03 7.5368D-08 4.7066D-01 -1.2332D-02 5.8534D-08
7.0634D-01 -2.4529D-03 3.3035D-08 4.9121D-01 -4.0650D-03 3.5112D-09 -1.2100D-02 -2.0574D-03 9.5848D-11 6.1781D-05
2.6529D-06 -7.7925D-09 -2.4659D-03 -7.0267D-04 -5.9911D-09 -1.6658D-02 -6.6679D-04 -1.1644D-06 1.4094D-09 -4.9143D-02
-1.5250D-03 -3.7038D-09 -2.4570D-02 -1.4206D-05 -6.7688D-09 2.2509D-02 -2.1820D-04 -1.8030D-08 1.4288D-02 -3.9177D-04
-1.1967E-08 1.4523D-03 -3.3330D-04 3.4665D-09 -4.0629D-03 3.0007D-05 1.4466D-08 1.6010D-03 2.8955D-04 -1.8255D-11
-3.6351D-06

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 5.0538D 02 CYC./SEC.

1.5796D-08 3.2288D-11 2.6535D-10 -7.5426D-04 -4.9865D-02 -3.6165D-05 2.0399D-02 9.9892D-01 6.6840D-03 1.9252D-02
9.4729E-01 6.9540D-03 2.1865D-03 3.5145D-02 -4.3449D-04 -4.9823D-02 -2.9924D-03 5.3784D-01 -1.2216D-01 -5.4778D-03
5.4976E-02 -2.3791D-02 -1.2123D-02 -7.2466D-01 -1.1724D-03 -7.6151D-03 -3.0074D-01 1.7296D-02 -2.0103D-02 8.4732D-03
2.0621D-04 2.0482D-02 5.4732E-03 2.0621D-04 2.3455D-04 6.9021D-04 -8.6386D-05 1.0903D-04 3.9502D-04 -1.9676D-05
-3.2434E-05 2.7589D-05 3.3529D-06 -3.3567D-05 3.8879D-06 2.4066D-06 -3.0138D-05 -8.8909D-05 1.3044D-06 -2.3049D-05
-1.3000E-04 -1.1291D-06 -1.3163D-05 -9.6554D-05 1.1089D-06 -1.6759D-06 -3.7672D-07 4.2369D-07 -3.2892D-08 -6.9664D-09

0.33570-06 -4.34240-07 6.22150-08 -1.00620-06 6.80280-07 -8.74340-10 -6.76900-06 -2.31670-07 -5.05810-08 7.71500-09
4.22440-10

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 5.51540 02 CYC./SEC.

-3.29640-11 3.34480-14 4.08450-15 1.87470-06 -9.21250-07 -9.09060-10 -1.81410-04 2.21610-05 2.35970-07 -1.67260-04
1.95220-05 2.47440-07 -3.11490-06 -2.71430-04 -3.15260-06 9.17820-05 8.14410-05 7.74900-06 -3.25350-06 1.04000-04
-4.43460-06 -4.20040-07 1.63360-04 1.68790-05 8.74380-06 1.81930-04 5.59350-05 9.43830-06 -3.30500-06 -1.01820-06
-2.82990-08 -2.60250-06 -1.01820-06 -2.82990-08 1.50580-04 -5.31970-07 -4.01520-09 -5.03400-03 -5.02590-07 -2.16150-10
-9.34200-03 2.12710-08 6.87900-11 -6.79920-03 2.12500-08 -1.07300-10 4.88760-04 -7.01500-09 -2.70810-10 7.70600-03
-3.03350-08 -1.60270-10 1.38090-02 -2.64230-08 4.90760-11 1.79140-02 8.50290-10 8.49420-11 2.16640-04 -3.99860-12
-1.60340-13 -2.32850-02 1.58950-10 4.27780-11 -1.60960-02 6.83430-10 4.71820-11 -5.37470-11 1.27990-01 3.72230-09
7.93680-11 3.57690-01 2.85670-09 -4.30270-12 4.50220-01 -1.43240-09 1.70870-11 -7.99260-01 -1.13510-09 1.83920-11
-9.13750-01 -3.28010-10 2.86400-11 -3.53720-03 2.50410-10 3.28590-12 8.29720-01 -7.15390-11 -2.14540-11 -7.93880-04
2.05310-12

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 5.89320 02 CYC./SEC.

-2.25660-07 6.62900-11 8.70040-12 1.46650-02 -2.26320-03 -2.98740-06 -5.42800-01 6.24830-02 8.11300-04 -4.91110-01
5.09370-02 8.56700-04 -1.76940-02 -7.15420-01 -1.77840-02 4.93520-01 3.77320-01 1.17180-02 -1.09530-02 4.41740-01
-2.77500-02 -1.07190-03 5.92950-01 -1.03240-01 4.00790-02 3.91450-01 3.12370-01 -5.43100-02 -1.17830-02 -4.87520-03
-1.40010-04 -1.04510-02 -4.87520-03 -1.40010-04 -8.66140-03 -2.64600-03 -2.06840-05 -4.38820-03 -2.87330-03 -1.80200-06
-7.57310-04 -9.04680-05 -1.09870-07 -8.36640-04 -1.14590-04 -8.10430-07 -8.14350-04 -4.91910-06 -1.58740-06 6.57600-04
-1.12760-04 -1.14790-06 3.92270-04 -1.13390-04 -9.02060-08 6.21720-05 3.13200-06 3.05800-07 5.48250-07 -1.11490-08
-4.76130-10 -6.73560-05 -6.76630-07 -1.90350-07 -4.34920-05 -2.51260-06 -1.96440-07 -2.67910-07 -1.04670-05 2.20040-05
3.60890-07 -1.12350-04 2.30250-05 -3.87320-08 -1.74120-04 -8.66510-06 1.15500-07 1.11890-04 -8.40000-06 6.54390-08
-1.96960-04 -3.31040-06 2.37840-07 2.45180-05 -1.98440-06 -5.30170-08 -1.66560-04 -2.60480-07 -1.80400-07 1.39570-07
-2.34620-10

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 6.28770 02 CYC./SEC.

-4.73800-12 -3.29190-06 3.35640-16 3.50200-07 -4.95150-08 1.58310-09 -1.57550-05 1.58730-06 2.37220-08 -1.39340-05
1.16200-06 2.52450-08 -3.23700-07 -1.82410-05 -2.87120-07 1.82900-06 1.53510-05 8.35850-09 -4.05120-07 1.69910-05
-1.42800-06 -4.43340-08 1.97340-05 1.13360-06 8.68520-07 1.33730-05 -7.54380-06 -7.69900-07 -3.98610-07 1.49990-07
1.90290-09 -3.50340-07 1.49990-07 1.90290-09 -2.58250-07 -3.58070-05 -1.02220-06 -1.35040-07 9.09220-03 9.23150-05
1.87270-08 7.84750-03 1.12290-04 2.15510-08 -7.89820-03 6.08190-05 2.20390-08 -3.20020-02 2.00840-04 1.83850-08
-1.97110-02 4.11760-04 1.12750-08 1.44610-02 3.66900-04 2.04560-09 2.99810-02 4.72040-05 1.36530-11 -5.48940-05
-2.31630-06 -1.92060-09 3.80230-03 1.01570-03 -1.14300-09 7.51080-03 1.21430-03 3.04140-06 9.77190-10 -5.76040-01
-6.79190-03 -1.77240-09 -9.71390-01 1.20150-03 -3.26570-09 2.51700-01 -4.36520-03 6.48180-10 4.02210-01 3.38430-03
2.83160-09 2.32050-01 -1.40260-02 7.01450-10 -1.20790-01 -5.16320-03 -2.29440-09 -7.17900-03 1.17070-02 5.57080-12
6.32660-05

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 6.75030 02 CYC./SEC.

-2.10180-12 4.08940-06 1.04340-16 1.79020-07 -1.87120-08 5.32450-10 -9.63240-06 6.92020-07 1.14870-08 -8.27390-06
-4.37950-07 1.23420-08 -1.27920-07 -9.37750-06 -1.18400-07 -7.64130-06 1.26810-05 -1.36270-07 -3.50820-07 1.33930-05
-1.35090-06 -4.16240-08 1.31240-05 -1.40620-06 9.71930-08 9.19510-06 -1.22920-05 -2.20300-06 -2.74950-07 1.92120-07
3.11890-09 -2.35750-07 1.92120-07 3.11890-09 -1.53200-07 -1.86620-05 -3.58780-07 -8.28850-08 5.35230-03 3.36830-05

-5.96E-01 2.57D-08 6.94D-09 1.06D-02 1.53D-04 1.34D-09 1.70D-02 -3.71D-06 6.97D-12 -2.60D-08
-1.16D-06 -1.12D-09 2.15D-03 6.47D-04 -5.97D-10 3.79D-03 5.80D-04 1.22D-06 8.27D-10 -3.21D-01
-2.86D-03 -6.42D-10 -4.25D-01 3.62D-03 -1.49D-09 2.08D-01 -6.33D-06 -2.58D-10 -3.12D-01 -2.48D-02
1.14D-09 -4.19D-01 2.00D-02 4.88D-10 2.09D-01 1.34D-02 -9.66D-10 6.97D-02 -2.18D-02 -3.26D-13
=2.03D-04

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 7.01570 02 CYC./SEC.

6.02D-08 5.29D-11 -1.19D-12 -5.54D-03 4.43D-04 6.47D-07 3.26D-01 -1.75D-02 -3.04D-04 2.75D-01
-1.01D-02 -3.28D-04 3.48D-03 2.83D-01 3.49D-03 4.17D-01 -4.95D-01 5.39D-03 1.89D-02 -5.11D-01
6.97D-02 2.19D-03 -4.51D-01 1.12D-01 8.56D-03 -3.22D-01 3.72D-01 1.06D-01 9.97D-03 -5.88D-03
-7.57D-05 8.06D-03 -5.88D-03 -7.57D-05 4.96D-03 -3.08D-03 -3.72D-05 2.73D-03 -6.62D-03 -1.07D-05
-2.60D-04 7.93D-05 -7.68D-07 -3.31D-04 3.03D-04 -1.98D-06 -3.79D-04 2.16D-04 -4.88D-06 -3.38D-04
-1.76D-04 -4.88D-06 -2.18D-04 -3.11D-04 -1.70D-06 -4.69D-05 6.58D-06 4.88D-07 -2.13D-07 -3.45D-08
-1.57D-09 3.73D-05 2.99D-06 9.86D-07 1.83D-05 5.86D-06 6.24D-07 -3.14D-07 -3.11D-05 -6.94D-06
9.59D-08 1.59D-05 -3.60D-05 1.29D-07 4.42D-05 1.18D-05 -7.56D-08 1.81D-05 -4.15D-07 -5.52D-07
-3.40D-05 -6.53D-06 2.54D-07 -1.94D-05 3.36D-06 2.64D-07 3.05D-05 1.72D-06 -3.69D-07 -1.83D-08
-4.09D-09

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 7.77170 02 CYC./SEC.

1.34D-11 -3.29D-09 5.39D-14 -1.52D-06 -2.30D-05 1.52D-08 -1.13D-04 -1.12D-03 -2.13D-05 9.00D-05
4.28D-04 2.35D-05 6.98D-07 6.44D-05 8.72D-07 2.73D-04 -2.29D-04 -7.03D-04 4.66D-04 -2.33D-04
7.47D-04 3.13D-05 -1.40D-04 -5.51D-05 1.82D-05 -1.07D-04 -1.69D-03 -1.53D-04 -1.44D-05 6.35D-06
6.31D-07 -7.75D-06 6.35D-06 6.33D-07 1.33D-06 -2.56D-03 -3.11D-05 7.79D-07 9.41D-01 1.00D-03
-4.93D-08 1.41D-01 6.56D-04 -7.46D-08 -3.54D-04 -1.65D-03 -1.00D-07 -6.17D-01 -7.89D-03 -9.81D-08
1.74D-01 1.03D-02 -6.72D-09 6.58D-01 4.53D-03 -1.70D-08 -1.95D-03 -7.32D-04 -5.93D-11 1.39D-04
6.45D-06 1.28D-08 -1.44D-02 -5.34D-03 4.81D-09 -9.91D-03 -1.13D-03 -4.62D-07 -1.44D-08 -8.21D-03
-4.37D-04 -2.43D-09 1.95D-02 -6.56D-05 7.00D-09 -3.97D-03 4.04D-05 5.19D-08 -2.01D-03 1.42D-04
-2.56D-06 5.93D-04 1.24D-05 -3.82D-08 -3.96D-04 -5.92D-05 -3.83D-08 -4.82D-04 -5.81D-05 -1.64D-11
8.10D-07

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 7.83030 02 CYC./SEC.

-8.92D-09 5.40D-12 3.24D-11 7.94D-04 -1.46D-03 -1.12D-05 -5.97D-02 7.26D-01 1.30D-02 -4.73D-02
2.65D-01 1.52D-02 -3.56D-04 -3.27D-02 -4.82D-04 -1.48D-01 1.29D-01 -4.71D-01 2.55D-01 1.25D-01
3.16D-01 1.64D-02 7.28D-02 -2.12D-01 -1.03D-02 5.59D-02 -4.15D-01 1.55D-02 3.94D-03 -3.76D-04
1.96D-04 -7.49D-03 -3.76D-04 1.96D-04 -6.86D-04 5.34D-04 -1.77D-05 -4.01D-04 7.81D-04 -1.56D-05
2.44D-05 -3.42D-04 -6.82D-07 3.77D-05 6.91D-04 -2.48D-06 5.20D-05 1.32D-03 -1.56D-05 5.11D-05
-3.40D-04 -2.14D-05 2.53D-05 -1.39D-03 -9.44D-06 9.23D-06 1.08D-06 1.56D-06 3.20D-08 -3.32D-07
-1.56D-08 -6.47D-06 3.59D-05 1.33D-05 -2.54D-06 2.05D-05 2.35D-06 5.48D-08 8.60D-06 1.59D-05
9.81D-07 3.56D-06 -3.65D-05 1.42D-07 -1.39D-06 7.21D-06 -7.79D-08 -4.93D-05 3.80D-06 -2.53D-07
2.16D-05 -9.70D-07 -3.09D-08 3.63D-05 6.77D-07 1.07D-07 -3.53D-05 8.79D-07 -1.02D-07 1.67D-08
-1.44D-09

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 7.90250 02 CYC./SEC.

5.70D-12 9.32D-16 -1.62D-15 -6.65D-07 7.46D-07 5.92D-10 1.45D-05 -3.76D-05 -7.23D-07 1.14D-05
-1.30D-05 -8.00D-07 -2.90D-07 -7.50D-06 2.97D-07 -1.62D-06 -3.21D-05 2.55D-05 -1.04D-05 -3.10D-05
-6.67D-06 -6.92D-07 -1.71D-05 9.89D-06 -5.38D-07 1.36D-05 1.42D-05 1.40D-06 1.97D-07 -5.05D-08

-5.16570D-03 2.60290D-08 4.18230E-11 -2.09060D-03 -4.37690D-08 1.45910D-10 5.88200D-03 -9.57180D-08 1.07590D-09 1.21080D-02

2.12270E-08 1.51830D-09 1.47390E-02 9.97700D-08 6.83480D-10 1.26940D-02 1.74560D-10 1.07640D-10 4.43780D-05 -3.00710D-11

1.43760E-12 -9.83930D-03 -3.30510D-09 -1.24180D-05 -3.47120D-03 -1.40330D-09 -1.65910D-10 -5.08760D-12 5.06470D-02 -9.38280D-10

-7.08830D-11 1.16750D-01 2.11680E-09 -1.01650D-11 1.16710D-01 4.02410D-10 4.72320D-12 1.17460D 00 -2.19430D-10 1.38420D-11

4.44080D-01 4.83530D-11 2.18440E-12 8.72300D-01 -3.58060D-11 -6.01930D-12 -8.17910D-01 -4.88790D-11 5.67670D-12 3.81000D-04

1.90600D-14

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 8.1230D 02 CYC./SEC.

1.66570D-11 -4.35020D-09 -3.02120E-14 -2.05550D-06 1.56000D-05 4.29540D-08 1.67520D-04 -8.32780D-04 -1.62890D-05 1.29520D-04

-2.36110D-04 -1.81230D-05 8.30630E-07 7.24450D-05 1.26460D-06 4.64820D-04 -4.04220D-04 6.35060D-04 -1.27760E-04 -3.83820D-04

2.49760D-04 -8.63080D-06 -1.79270E-04 5.22480D-04 3.88390D-05 -1.41580D-04 -2.06270D-03 1.19510D-04 2.23360D-06 1.57470D-05

5.05020D-07 7.81450D-06 1.57470E-05 5.05020D-07 1.61270D-06 -3.13500D-03 -3.21640D-05 9.63820D-07 1.25020D 00 -6.98390D-05

-4.90520D-08 -3.17250D-02 1.10370E-04 -8.39840D-08 -3.37470D-03 1.66710D-04 -1.25160D-07 6.53410D-02 -3.66870D-04 -1.27070D-07

1.10460D-02 -9.34530D-04 -8.91240E-08 -6.49790D-02 -6.40650D-04 -2.32150D-08 -2.12510D-02 -7.97000D-05 -7.63460E-11 -1.17100D-03

-5.66740D-05 1.78870D-08 1.36300E-01 5.26550D-02 5.64270D-09 -6.78000D-03 1.50160D-05 -2.50340D-06 -1.65340D-08 -3.48420E-02

1.36160D-04 6.44150D-09 3.30390E-02 9.39620D-05 1.99540D-08 -6.02720D-03 3.41730D-05 -4.15120D-08 -4.28760E-03 2.27820D-04

8.43330D-09 7.35860D-04 7.18860E-05 3.25420D-08 -4.40760D-04 -1.22690D-04 -2.74950D-08 -9.20920D-04 1.03200D-04 1.21210E-11

1.39720D-06

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 8.1501D 02 CYC./SEC.

-2.72660D-11 -2.60120D-09 -5.52260E-14 -3.38850D-06 -2.86510D-05 -7.66180D-08 -2.77930D-04 -1.54000D-03 -3.01860D-05 2.14360D-04

-4.24650D-04 -3.36110D-05 1.35660E-06 1.17240D-04 2.12340D-06 7.77280D-04 -6.76920D-04 1.19010D-03 -2.16990D-04 -6.41470D-04

-5.35960D-04 -1.63570D-05 -2.92840E-04 -9.38740D-04 -6.59450D-05 -2.31900D-04 -3.99640D-03 -2.18400D-04 -3.40830E-06 -2.96180D-05

9.37540D-07 1.32720D-05 2.96180E-05 9.87540D-07 2.62370D-06 -5.65400D-03 -5.70980D-05 1.57140D-06 2.26870 00 -3.47240D-04

-7.93610D-06 -8.94110D-02 -7.55550E-05 -1.35930D-07 -7.10480D-02 -9.48790D-07 -8.04470D-07 -2.39060D-01 -2.17710D-03 -2.08440D-07

-3.93880D-02 -3.42930D-03 -1.46590E-07 -2.43160D-01 -1.50730D-03 -3.84400D-08 1.02290D-02 3.44260D-04 -1.25980E-10 5.91490D-04

-2.36660D-05 -2.57090D-06 -6.93050E-02 -2.68630D-02 -9.23400D-09 -7.69950D-03 -4.36130D-04 -4.69770D-07 -2.77540E-08 2.20780D-02

1.40850D-04 9.66330D-09 -2.25940E-02 -2.47190D-05 3.19930D-08 4.01800E-03 -2.89490D-05 -6.06300D-08 2.85590E-03 -1.47400D-04

-1.10170D-08 -4.42330D-04 -4.99840E-05 4.80190D-06 2.79590D-04 -8.04770D-05 -4.00750D-08 6.06740D-04 -6.70500E-05 1.75510D-11

-9.12070D-07

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 8.4718D 02 CYC./SEC.

1.06240D-08 3.02820D-13 2.33500E-11 -1.42550D-03 -1.23460D-02 -9.48130D-06 1.30500D-01 7.18440D-01 1.44120E-02 9.77170D-02

1.30110D-01 1.61930D-02 5.12880E-04 3.86690D-02 4.27590D-04 3.90520D-01 -3.53250D-01 -6.39330D-01 2.07110D-02 -3.26920D-01

-5.66310D-01 7.66720D-03 -1.07480E-01 -2.37870D-02 3.91170D-02 -8.80210D-02 1.13200D 00 -5.38450D-02 6.20660D-03 -2.72190E-03

-3.73710D-04 1.65340D-03 -2.72190E-03 -3.73710D-04 9.20420D-04 -1.09230D-03 4.50050D-05 5.65770D-04 4.51440E-03 3.56770E-05

-2.12950D-05 -1.12000D-04 -4.05940E-07 -4.50010D-05 -7.25910D-06 -3.13190E-07 -7.66780D-05 2.39170D-04 -2.12760E-06 -8.21900D-05

6.79780E-06 -3.67480D-06 -5.96580E-05 -2.35980D-04 -1.92540D-06 -1.67650E-05 -5.72920D-07 1.80870D-07 -5.37050E-08 3.41490E-08

1.66200D-09 1.36930D-05 -4.32690E-06 -1.74250D-06 3.48220D-06 3.73420E-06 3.84710D-07 -1.12450D-07 -1.31580E-05 2.10310E-06

1.31580D-07 1.69080D-06 -3.21880E-06 1.25140D-05 1.13930D-05 4.73830E-07 -6.06120D-09 -1.00110D-05 4.14550E-07 -1.48150E-08

-1.09400D-06 -2.58510D-08 -1.18610E-08 9.68550D-06 1.31940D-08 1.27980E-08 -7.04080D-06 8.77890D-08 -9.35590E-09 2.85470E-09

-1.20510D-10

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 8.9403D 02 CYC./SEC.

1.32030E-14 8.38460D-07 6.04230E-18 -1.81810D-09 -1.66830D-09 -7.08610E-12 1.67340D-07 2.70100E-07 4.90760E-09 1.33070E-07

-8.5669D-06 5.6994D-09 5.6128D-10 -8.1078D-08 5.1106D-10 5.6664D-07 -5.8231D-07 -2.4809D-07 -1.6652D-08 -6.2027D-07
-2.8144D-07 5.8249D-09 -6.5422D-08 3.6374D-07 7.0344D-08 -5.0977D-08 -1.9773D-06 -1.9762D-08 7.0536D-09 1.8079D-08
2.6965D-10 4.1644D-05 1.8075D-08 2.6989D-10 5.6302D-10 -6.8754D-07 5.4276D-09 3.6119D-10 -3.1200D-04 -3.6444D-06
-5.5940D-12 -1.6507D-04 -3.8490D-06 -2.5350D-11 4.9740D-04 1.6426D-06 -5.6349D-11 6.2964D-04 5.8897D-06 -6.5874D-11
-4.0369D-04 1.4016D-05 -5.0330D-11 -3.9953D-04 2.5047D-05 -1.5775D-11 5.5062D-04 2.5415D-05 -5.8831D-14 -5.9521D-06
-3.0004D-07 1.7993D-11 8.4073D-04 3.5878D-04 2.3761D-12 -1.6592D-03 -2.0082D-04 5.6774D-08 -1.3277D-11 1.6750D-01
3.6063D-04 -2.9541D-13 -3.3192D-02 -1.9765D-03 8.7570D-12 -8.2192D-02 -6.7287D-04 -3.8865D-12 3.2362D-01 -1.1929D-02
-3.9121D-12 -1.9840D-02 -3.1316D-02 7.0701D-12 -9.6102D-02 2.6845D-02 -3.9129D-12 1.1822D-01 -1.5817D-02 8.3966D-16
-1.5329D-04

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 9.1233D 02 CYC./SEC.

-7.2160D-09 2.4476D-12 -1.8614D-12 1.1232D-03 1.1400D-03 8.2808D-07 -1.2086D-01 -7.7125D-02 -1.6041D-03 -8.4686D-02
1.7396D-03 -1.8384D-03 -3.3301D-04 -5.5251D-03 -3.2589D-04 -3.5970D-01 3.9483D-01 8.4430D-02 8.5179D-03 3.4781D-01
1.0106D-01 -2.7003D-03 1.8691D-02 -2.5079D-01 -4.7927D-02 1.6514D-02 1.7770D 00 1.6081D-02 -4.2896D-03 -1.4008D-02
-2.6911D-04 -2.9092D-03 -1.4008D-02 -2.6911D-04 -1.4953D-04 -2.7050D-03 3.2732D-05 -9.7894D-05 4.6084D-03 3.7717D-05
3.8056D-07 -6.8128D-05 -2.2729D-07 6.5801D-06 -9.0998D-05 1.0441D-08 1.6952D-05 1.4009D-04 -7.0781D-07 2.0616D-05
4.6267D-05 -2.0552D-06 1.6121D-05 -1.5320D-04 -1.2692D-06 5.2476D-06 -2.6923D-06 9.5997D-08 1.8709D-08 5.9482D-09
3.0174D-10 -5.5349D-06 -8.7522D-07 -3.7710D-07 -7.3726D-07 2.3088D-06 2.4723D-07 -2.7092D-07 4.5002D-06 -1.4039D-05
6.2916D-08 2.1119D-07 6.6426D-06 5.4668D-08 -2.9328D-06 -1.1582D-06 -9.0427D-10 3.4951D-07 1.0958D-07 8.0842D-08
1.9028D-06 -5.3327D-08 -8.4507D-08 -2.4832D-06 -3.7237D-07 6.9190D-08 1.4143D-06 2.2778D-07 -3.7323D-08 -4.9430D-10
-2.9071D-10

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 9.3490D 02 CYC./SEC.

-7.6962D-14 -1.1352D-07 1.9797D-17 1.2571D-08 -1.5784D-08 -9.7444D-11 -1.4220D-06 1.1209D-06 2.3542D-08 -9.7152D-07
-1.0816D-07 2.7181D-08 -3.4895D-09 5.6223D-08 -4.1659D-09 -4.0198D-06 4.9249D-06 -1.2928D-06 -8.1166D-08 4.2619D-06
-1.4672D-06 1.4964D-08 -2.0255D-07 -1.8492D-06 -5.8738D-07 -1.8426D-07 -2.3737D-05 -2.8467D-07 -3.8338D-08 -1.5008D-07
-4.0630D-09 -4.5620D-08 -1.5008D-07 -4.0630D-09 1.5586D-09 -8.3510D-06 1.1716D-07 1.0527D-09 4.0123D-03 -6.4162D-05
2.0675D-11 -3.1178D-03 -6.1544D-05 -6.6308D-11 1.0790D-02 2.6208D-05 -2.2542D-10 -8.8701D-03 -9.2869D-05 -2.9072D-10
-1.0574D-02 2.5736D-04 -2.3485D-10 -2.6483D-03 4.2243D-04 -8.1094D-11 1.2257D-02 3.5155D-04 -3.1475D-13 -2.6788D-05
-1.3786D-06 9.6284D-11 4.1407D-03 1.8430D-03 9.3964D-12 -1.2964D-02 -1.5799D-03 -1.2684D-06 -7.1515D-11 -1.3782D 00
3.3749D-03 -6.6644D-12 -6.1565D-01 -4.2961D-03 4.2968D-11 8.7131D-02 -1.2526D-04 1.8476D-11 3.5274D-02 -5.4224D-03
-5.7109D-11 4.0772D-03 3.1163D-03 5.9255D-11 -1.9516D-02 -2.5138D-03 -3.1621D-11 -4.1956D-03 -1.2043D-03 1.1465D-14
6.1766D-06

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 9.5040D 02 CYC./SEC.

4.2633D-09 -2.1136D-13 -1.3693D-11 -7.1994D-04 9.1125D-03 7.0310D-06 8.4398D-02 -6.6983D-01 -1.4158D-02 5.6627D-02
9.9902D-02 -1.6431D-02 1.9165D-04 -8.2251D-03 2.3845D-04 2.2603D-01 -3.0373D-01 7.9717D-01 7.4842D-02 -2.5957D-01
9.4178D-01 -2.0041D-02 3.0897D-02 -4.9725D-01 3.5199D-02 2.8697D-02 4.1017D-01 -3.1237D-02 -2.2435D-03 -1.1794D-02
1.4464D-04 7.1900D-03 -1.1794D-02 1.4464D-04 -2.3612D-04 -1.7910D-04 1.5925D-05 -1.6479D-04 1.0885D-04 1.3628D-05
-8.2692D-06 -1.9315D-06 -1.8347D-07 9.5412D-06 -7.8036D-06 -2.7644D-07 4.4342D-05 4.7911D-06 -3.3304D-07 6.0101D-05
5.1784D-06 -3.7393D-07 5.0050D-05 -5.6660D-06 -2.5514D-07 1.8506D-05 2.6754D-07 -3.9974D-08 8.3588D-08 1.2668D-10
6.6604D-12 -2.1943D-05 -2.0294D-08 -1.0033D-08 -1.5643D-06 4.0090D-09 1.2056D-08 -1.8540D-08 1.7185D-05 3.4253D-06
-2.2553D-08 3.5459D-06 -1.2945D-06 -1.6729D-08 -8.1491D-06 1.7693D-07 4.5543D-10 -2.6396D-05 1.0337D-07 -1.1753D-08
4.5016D-05 9.2460D-09 5.1371D-09 -3.9576D-05 3.8431D-08 -4.1319D-09 1.9879D-05 -2.4076D-09 1.8221D-09 -6.4029D-09
5.0499D-12

4.91560D-12 -1.93040D-15 7.41420D-16 -8.40490D-07 -4.99080D-07 -3.67920D-10 1.6866D-05 3.71540D-05 7.87090D-07 1.1271D-05
-6.29630D-06 9.15290D-07 2.20240D-07 -2.00270D-06 -2.17830D-07 -2.09860D-05 -6.13470D-05 -4.47030D-05 -4.30620D-06 -5.2183D-05
-5.29260D-05 1.16040D-06 7.64300D-06 2.68010D-05 -2.89780D-06 7.91890D-05 -1.01190D-05 2.12550D-06 7.60670D-07 5.68760D-07
-9.96820D-09 2.21300D-07 5.68760D-07 -9.96820D-09 9.99260D-05 -1.07740D-08 -7.31280D-10 -1.01970D-02 1.8903D-08 -5.3311D-10
-1.51560D-02 -1.41010D-10 8.96910D-12 -1.68780D-03 -3.67580D-10 1.6087D-11 3.0296D-02 4.2826D-10 1.7609D-11 4.9106D-02
-1.61880D-10 1.12580D-11 4.65620D-02 -5.93060D-10 7.64050D-12 -2.37730D-02 -3.69370D-11 3.0319D-12 -1.1391D-04 1.1846D-13
4.49970D-15 -3.70420D-02 -1.25150D-12 -5.57880D-13 -1.71400D-03 8.20130D-12 3.18490D-13 -1.12140D-12 4.0349D-02 2.3135D-11
-2.55630D-12 5.38120D-02 -1.90760D-11 3.66580D-13 -3.17600D-02 -1.83100D-12 -5.58730D-14 -7.62880D-01 6.8295D-13 -8.5296D-14
1.12040D 00 3.03470D-13 6.76730D-15 -9.37390D-01 7.96830D-13 -1.96770D-14 4.62080D-01 9.16150D-13 1.0589D-14 -1.4695D-04
-2.09350D-13

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 9.8228D 02 CYC./SEC.

-4.14690D-11 -2.46090D-15 -1.70210D-15 7.4811D-06 1.2059D-06 7.9257D-10 -1.9189D-04 -9.4781D-05 -2.0263D-06 -1.2408D-04
2.45680D-05 -2.37760D-06 -1.83320D-06 4.1074D-05 -1.8283D-06 1.4597D-04 7.4224D-04 1.1881D-04 1.2582D-05 6.1783D-04
1.41400D-04 -3.57730D-06 -1.67620D-04 -6.47890D-05 1.7124D-05 -8.3807D-04 -6.2891D-05 -9.1241D-06 -6.2953D-06 -8.7492D-07
3.80280D-08 -4.71990D-06 -8.74920D-07 3.8028D-08 -9.0179D-04 1.7294D-07 1.0557D-09 9.7249D-02 -1.8648D-07 -5.4614D-11
1.41690D-01 8.55820D-10 -1.60660D-11 8.5639D-03 8.4858D-09 -5.1935D-11 -3.0266D-01 -5.3573D-09 -6.1474D-11 -4.7505D-01
-5.04480D-09 2.44160D-11 -4.29910D-01 8.7274D-09 2.2975D-11 -1.8695D-01 3.4161D-10 -1.6034D-11 -1.3278D-03 -4.3061D-13
-1.73750D-14 4.55980D-01 2.08470D-11 9.1019D-12 -3.1110D-03 -1.1159D-10 -9.6209D-12 1.8011D-11 -1.6970D-01 -7.9627D-10
-1.70830D-11 -1.81210D-02 3.41290D-10 8.8354D-14 1.0032D-01 -3.6162D-11 3.2577D-13 -1.0865D-01 -2.6975D-11 2.1409D-12
1.03400D-01 -2.79260D-12 -4.57930D-13 -7.1454D-02 -6.0019D-12 4.1514D-13 3.2548D-02 -2.0126D-12 -1.7109D-13 -9.8117D-06
-1.67790D-13

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.0299D 03 CYC./SEC.

-1.17750D-13 -1.20110D-09 -6.59160D-17 -2.4525D-08 -3.1478D-08 -6.3217D-10 -3.4189D-06 -2.7323D-06 -5.9255D-08 -2.0682D-06
-1.18190D-06 7.07440D-08 5.34880D-09 -1.3159D-06 8.7956D-09 4.3637D-06 -1.4686D-05 -3.5977D-06 -5.0600D-07 -1.1724D-05
-4.30760D-06 2.01890D-07 6.03350D-06 -1.1181D-05 -1.0417D-06 -6.5196D-06 -1.1432D-04 -1.5068D-06 -1.3541D-07 6.8675D-07
1.39910D-08 5.45900D-08 6.86750D-07 1.3991D-08 -4.4275D-08 1.9023D-04 -1.0976D-06 -3.6966D-08 -1.1498D-01 1.1758D-03
-7.21460D-09 -1.46770D-01 -3.3000D-04 -2.3738D-09 -6.5199D-01 -2.2422D-03 -2.2602D-08 -1.7437D-01 -5.0413D-03 -3.1433D-08
4.94690D-01 -4.69230D-04 2.44130D-06 -6.0716D-01 -1.3785D-03 5.0832D-09 -2.9967D-02 1.1837D-03 -1.0892D-10 5.7518D-06
-3.00120D-07 -4.11150D-08 -1.0804D-03 -4.9513D-04 -4.4404D-09 -7.8517D-03 -6.7573D-04 -3.1072D-06 -4.8862D-09 -3.9883D-02
1.29060D-03 8.99640D-10 -1.54780D-02 6.9297D-06 -2.5295D-09 1.3596D-03 -1.9164D-05 1.4168D-09 1.2263D-03 -8.3545D-06
-5.67760D-10 -1.82130D-04 -8.43130D-06 -4.5396D-10 -2.3413D-04 -1.2239D-05 -1.8058D-10 -9.3440D-05 -2.8762D-06 -8.2966D-13
-6.75860D-08

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.0359D 03 CYC./SEC.

3.14700D-11 -1.01770D-14 8.64770D-16 -6.3144D-06 -6.8018D-07 -4.2356D-10 2.3034D-04 5.9534D-05 1.2927D-06 1.4377D-04
-2.69980D-05 1.54690D-06 1.3577D-06 -9.6982D-05 1.3555D-06 -2.2177D-04 -1.0393D-03 -7.8634D-05 -9.5433D-06 -8.2518D-04
-9.30280D-05 3.20970D-06 4.5104D-04 4.0090D-08 -2.3213D-05 1.1163D-03 9.5051D-05 9.3421D-06 7.2433D-06 2.1437D-07
-2.93490D-08 5.97350D-06 2.14370D-07 -2.9349D-08 7.8192D-04 -1.9254D-07 -4.7352D-10 -9.4205D-02 1.6039D-07 6.1379D-10
-1.31330D-01 -1.31180D-08 -2.2852D-11 6.4749D-03 4.0154D-08 -1.6754D-10 3.1774D-01 -1.0998D-08 -4.0498D-10 4.6690D-01
-3.88630D-08 4.75520D-12 3.77860D-01 4.6138D-08 8.8659D-11 9.6049D-02 2.3644D-09 -9.3876D-11 -1.2462D-03 -5.1000D-13
1.00280D-14 4.75670D-01 7.9667D-11 3.6516D-11 -5.7622D-02 -5.9847D-10 -5.0980D-11 -1.9955D-11 9.2939D-02 -2.9219D-09
-1.01870D-10 1.78210D-02 1.1290D-09 -6.4727D-12 -4.7534D-02 -9.5498D-11 1.4995D-12 2.5374D-02 -8.8993D-11 5.8312D-12

-5.9496D-13

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.1055D 03 CYC./SEC.

5.7497D-09 -1.7269D-14 4.1211D-13 -1.3137D-03 -3.7058D-04 -2.6856D-07 2.1707D-01 3.6995D-02 8.1528D-04 1.1662D-01
-2.6695D-02 1.0030D-03 2.4168D-04 -1.3871D-01 2.4045D-04 -2.5079D-01 -1.0754D-00 -4.8890D-02 -6.7689D-03 -7.9823D-01
-5.6157D-02 2.8950D-03 7.5402D-01 2.3903D-02 -2.4370D-02 9.0864D-01 7.9237D-02 7.6294D-03 6.1095D-03 5.4210D-06
-1.8001D-05 5.1049D-03 5.4210D-06 -1.8001D-05 -5.5241D-03 -1.3949D-04 -3.1607D-07 -3.9960D-03 -8.1191D-05 -6.3947D-07
3.2753D-04 -1.2221D-06 1.4558D-08 2.1573D-04 8.7982D-07 -4.2378D-08 -2.2615D-04 2.2455D-07 -1.2529D-07 -5.3661D-04
-2.1268D-06 -1.3488D-07 -5.3528D-04 2.5325D-06 -9.6999D-08 -2.2291D-04 3.3686D-07 -2.9573D-08 -3.9406D-07 -1.2181D-11
-5.6754D-13 -1.7136D-04 2.6301D-09 9.1726D-10 4.7752D-05 -4.0687D-08 -9.5095D-11 -1.4618D-08 -2.3331D-04 3.0802D-08
-2.6001D-06 -6.3421D-05 5.1627D-08 -5.8419D-09 1.0635D-04 -2.0945D-09 -4.3686D-10 -3.8256D-05 -7.4457D-09 -5.0906D-10
1.5546D-05 7.1305D-10 3.8704D-11 -5.8319D-06 1.1828D-09 -5.2877D-11 1.9130D-06 5.4514D-10 7.5752D-12 -4.5523D-10
-3.5467D-13

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.1134D 03 CYC./SEC.

2.1291D-14 2.0719D-09 -2.0691D-16 -2.2791D-09 1.0345D-08 -6.0112D-09 7.2308D-07 -1.1349D-06 -2.5180D-08 3.8304D-07
8.9026D-07 -3.1080D-08 4.1231D-10 -4.8039D-07 -2.6771D-08 -1.0687D-06 -3.6320D-06 1.5036D-06 2.4264D-07 -2.6740D-06
1.7135D-06 -1.2535D-07 2.6587D-06 -4.9967D-06 -1.3009D-07 3.2535D-06 4.6966D-05 -1.0407D-06 -2.9255D-09 -2.4054D-07
-4.9255D-09 3.9957D-08 -2.4054D-07 -4.9255D-09 -1.9498D-08 -3.0413D-05 1.1773D-05 -1.4261D-08 -9.8224D-03 -5.4478D-03
1.0955D-09 -1.1164D-02 -4.8300D-03 7.6204D-10 9.5433D-02 1.0075D-02 -6.6738D-10 2.3440D-01 2.8179D-02 -1.7038D-09
-1.1435D-01 3.4541D-02 -1.7359D-09 -1.0998D-01 2.7007D-02 -7.4438D-10 -5.1734D-02 6.7235D-03 1.0731D-12 -2.4736D-08
-2.2005D-08 -5.1357D-10 5.3226D-06 9.0707D-05 1.5250D-10 3.3095D-03 -6.1689D-04 -5.4416D-06 -7.8630D-10 -3.9425D-02
5.5715D-03 -2.2096D-10 -3.4542D-03 1.4490D-03 3.5457D-10 -5.4296D-05 -9.8798D-05 -1.2460D-10 -2.8511D-03 1.8696D-04
4.9103D-11 -3.6247D-04 -7.6394D-06 -1.6865D-11 -4.5723D-04 1.8784D-05 4.1305D-12 -2.3187D-04 -2.0872D-06 -4.4478D-13
1.5012D-07

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.1791D 03 CYC./SEC.

-4.9819D-15 -1.6059D-10 -3.1751D-17 -2.1050D-10 1.2032D-09 -1.0451D-09 9.9103D-08 -1.5193D-07 -3.4043D-09 -4.6240D-08
1.6184D-07 -4.3251D-09 3.3377D-11 -8.5486D-08 -4.0998D-09 -4.6642D-07 -5.5291D-07 1.8220D-07 3.6212D-08 -3.7876D-07
1.9160D-07 -2.5055D-08 5.4037D-07 -1.1537D-06 -9.6319D-08 -7.7196D-07 -1.6765D-05 6.3430D-08 -1.4813D-09 -7.3862D-08
-1.6273D-09 6.1552D-09 -7.3862D-08 -1.6273D-09 -4.1198D-09 -4.5291D-05 2.2946D-06 -3.2709D-09 2.9761D-02 -1.3962D-03
-1.6966D-10 -7.1164D-02 -5.8643D-04 -1.6346D-10 -4.4524D-01 -3.2360D-04 -1.2130D-11 -6.7221D-01 -3.3073D-03 -1.7893D-10
6.6629D-01 3.8868D-03 -2.2640D-10 -4.1101D-01 8.6627D-04 -1.2459D-10 -4.0957D-02 1.3895D-03 4.9509D-14 1.7272D-06
-9.2455D-08 -4.1402D-11 -4.2597D-04 -2.0606D-04 -1.9413D-11 -6.1724D-03 -4.9019D-04 -4.3375D-06 -1.4234D-10 -2.2506D-02
1.6211D-03 -4.9436D-11 -7.2108D-03 2.6366D-04 6.0878D-11 3.2757D-04 -2.0692D-05 -1.5116D-11 1.7770D-04 -9.4201D-06
-5.4854D-12 -5.5187D-05 -1.8904D-06 -1.8208D-12 -3.3089D-05 -8.8349D-07 -5.5466D-13 -2.3439D-05 -9.9055D-08 -1.1021D-15
-1.3895D-06

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.3367D 03 CYC./SEC.

2.2734D-17 5.7101D-07 1.1607D-18 -1.0885D-11 -2.4130D-11 5.0464D-11 -3.8994D-11 4.2624D-09 9.6573D-11 -1.1212D-11
-7.7186D-09 1.3296D-10 1.2955D-12 4.8306D-11 1.5133D-10 7.1743D-10 2.6777D-10 -1.3899D-09 -6.9644D-10 1.4763D-10
-7.0935D-10 6.7916D-10 -4.1122D-10 1.6612D-08 2.2500D-10 -1.0422D-09 -2.7007D-07 6.2166D-09 7.9742D-11 9.1232D-10
2.0660D-11 -8.1114D-11 9.1248D-10 2.0652D-11 4.3351D-12 4.8612D-07 -1.4236D-07 4.5967D-12 4.8298D-05 9.5920D-05
-1.3298D-14 2.8531D-05 3.2899D-05 -3.1932D-13 -7.5968D-04 -1.1729D-04 -5.4097D-13 -2.4285D-04 -2.4774D-04 -2.6439D-13
5.5901D-04 -1.9925D-04 2.6440D-13 1.4145D-03 -2.0974D-06 5.1956D-13 -5.8575D-05 1.9617D-04 -1.0887D-16 -1.8289D-08

2.2120D-03 3.7590D-13 -6.5262D-02 1.1610D-02 -6.1475D-13 3.7189D-01 1.7288D-03 -5.4951D-13 -7.8813D-01 4.8423D-02

2.0353D-13 -2.0346D-01 7.8937D-03 -1.4790D-13 -1.4758D-01 4.1092D-03 3.7788D-13 -1.0949D-01 6.5466D-04 -4.4315D-16

5.0676D-05

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.3935D 03 CYC./SEC.

4.1365D-12 -1.5416D-15 -4.6342D-17 -1.5002D-06 5.9960D-08 5.8715D-11 -2.2638D-05 -9.5474D-06 -2.1457D-07 -5.2561D-06

1.9268D-05 -3.0544D-07 1.6262D-07 3.0259D-05 1.6278D-07 3.9341D-05 1.6307D-04 -1.7195D-06 7.9344D-07 8.1691D-05

-2.2592D-06 -5.5319D-07 -2.7915D-04 -1.1712D-07 3.3517D-06 3.7155D-04 -5.1395D-06 -5.1426D-07 -4.2049D-07 2.5905D-08

1.3304D-10 -2.9998D-07 2.5905D-08 1.3304D-10 4.9706D-04 5.7876D-09 -1.5161D-11 -1.0839D-01 -1.4830D-09 -1.1268D-10

-9.6805D-02 1.7734D-11 8.4915D-13 9.1061D-02 -1.2564D-11 9.7568D-13 3.9773D-01 -2.0668D-12 8.4540D-15 3.3721D-01

-3.2869D-12 -1.0047D-12 -3.4622D-02 4.9455D-13 -1.1877D-12 -3.7449D-01 7.0307D-12 -4.1243D-13 -5.0308D-05 -3.9112D-15

-1.4601D-16 -3.4789D-02 -1.5368D-14 -5.4944D-16 3.6145D-02 -5.6473D-13 -2.2546D-14 6.2746D-13 -6.4488D-01 -3.5321D-13

-4.8266D-13 -4.2187D-01 2.7141D-13 -1.6474D-13 2.6116D-01 -7.6180D-13 -1.1848D-14 -4.1193D-02 -1.2749D-12 8.3013D-14

7.3038D-03 -4.2501D-13 1.4380D-14 -1.2505D-03 -3.0236D-13 1.5970D-14 2.3008D-04 -1.8828D-13 -4.9933D-15 -3.4457D-08

1.3237D-14

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.4250D 03 CYC./SEC.

3.0515D-12 9.8095D-15 -3.3881D-12 -1.1588D-06 5.0697D-03 3.9327D-06 1.4091D-04 -8.4443D-01 -1.8961D-02 2.7989D-05

1.8426D 00 -2.7526D-02 1.1955D-07 -1.9394D-04 1.0263D-05 -5.1368D-03 -1.0407D-03 -4.5471D-01 3.0421D-02 -4.9088D-04

-4.2237D-01 7.4611D-03 1.8799D-03 5.8638D-02 -1.9165D-03 9.1084D-03 -7.8127D-03 5.7164D-04 7.7904D-04 1.8099D-03

-4.0582D-05 -7.7491D-04 1.8099D-03 -4.0582D-05 -3.3158D-05 1.6244D-06 -1.3860D-07 -3.7208D-05 -1.9077D-07 -1.4336D-06

1.9887D-06 7.9486D-08 1.0549D-08 5.6781D-07 -5.9231D-08 1.5016D-08 -3.5025D-06 -6.2088D-08 2.5146D-09 -4.1915D-06

-3.3374D-08 -1.2413D-08 -8.3386D-07 -3.0951D-06 -1.6263D-08 3.3289D-06 1.9488D-07 -6.6622D-09 -3.7091D-10 -1.5105D-12

-8.2260D-14 2.6624D-07 5.4724D-10 2.7357D-10 -3.0385D-07 -1.6308D-08 -1.1375D-09 1.9775D-10 6.3323D-06 -5.0275D-08

-9.0918D-09 4.5709D-06 1.3178D-08 -4.0739D-09 -2.6271D-06 6.8975D-09 2.0794D-10 3.8878D-07 -9.9785D-09 6.4964D-10

-6.4626D-08 -3.1303D-09 1.4521D-10 1.0385D-06 -2.2442D-09 6.1754D-11 -1.8122D-09 -1.7786D-09 1.2603D-11 2.5201D-13

7.1567D-13

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.4496D 03 CYC./SEC.

-2.3237D-16 -5.9785D-09 -1.0049D-16 -9.6956D-10 -5.2609D-09 -5.3372D-09 -8.6927D-10 -8.2988D-07 -1.8549D-08 -9.8231D-11

-1.8850D-06 2.7359D-08 -9.6269D-11 -1.2531D-09 -1.3351D-08 -4.2794D-08 -6.7143D-09 6.8053D-07 1.7837D-08 -3.0036D-09

-4.9422D-07 -9.6772D-08 1.2613D-08 -1.3540D-06 -1.6726D-08 8.3062D-08 -2.6144D-05 -5.9113D-07 -9.7244D-09 -7.6749D-08

-1.6596D-09 9.7499D-09 -7.6750D-08 -1.6598D-09 -2.9252D-10 -6.5721D-05 1.7691D-05 -3.5292D-10 -5.7082D-04 -1.4070D-02

-1.4317D-11 -3.3604D-04 -3.6485D-04 8.7827D-12 1.1986D-02 2.1177D-03 -1.6381D-11 -1.7797D-02 3.6395D-03 -2.5770D-11

4.2715D-02 1.5411D-03 -1.0195D-11 -1.7909D-01 -1.1014D-03 1.5718D-11 4.9695D-01 -5.2777D-03 3.9267D-15 -3.8762D-06

-2.2080D-07 -9.7735D-14 -1.4474D-03 7.9524D-04 -1.2484D-12 -4.2529D-02 -4.0309D-03 5.4173D-05 3.3637D-11 -1.7997D-01

-1.2425D-02 2.5507D-11 2.9853D-02 -4.7435D-03 -1.3933D-11 4.8977D-03 2.2540D-04 1.9466D-12 -7.0523D-03 4.7052D-04

-2.9594D-13 -2.3646D-03 -1.1456D-04 -4.5551D-14 -1.7001D-03 -4.6854D-05 -4.9861D-15 -1.3714D-03 1.0028D-05 -3.9594D-15

5.4107D-07

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.4609D 03 CYC./SEC.

2.6277D-14 -4.8195D-11 1.0682D-15 -1.0306D-08 3.8119D-09 5.7693D-08 -7.9904D-09 -5.8409D-06 -1.3024D-07 -7.3254D-10

1.3498D-05 -1.9354D-07 1.0063D-09 1.1655D-08 1.4189D-07 4.6292D-07 6.2487D-08 -5.5699D-06 -3.0753D-07 2.7272D-08

-3.5080D-06 1.0574D-06 -1.1934D-07 1.3998D-05 1.9491D-07 -9.4256D-07 -2.8063D-04 6.3326D-06 1.0464D-07 8.0411D-07

1.7703D-09 -1.0466D-07 8.0411D-07 1.7703D-08 3.2676D-09 7.2654D-04 -1.5427D-04 4.0083D-09 3.5193D-04 1.5696D-01

9.4451E-03 1.4779D-03 1.0454D-10 -1.9544D-08 1.5815D-03 -1.4490E-10 4.3944D-02 6.6250D-05 1.4729D-14 -3.4296D-07
-1.9927D-08 -1.0165D-11 1.3007D-04 7.4323D-09 1.2499D-11 -3.8544D-03 -4.0518D-04 4.8772D-06 -3.1821D-10 -1.8031D-02
-5.7866D-04 -2.5828D-10 2.4700D-03 -7.5466D-09 1.3715D-10 -1.3076D-04 3.6590D-06 -1.8938D-11 6.4752D-05 -4.3891D-06
2.9390D-12 1.7775D-05 -8.4938D-07 -4.6028D-13 1.4008D-05 -3.9531D-07 5.1997D-14 1.1212D-05 -8.0869D-08 -3.5553D-13
-4.3544D-09

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.5809D 03 CYC./SEC.

-2.2031D-14 -6.3506D-08 1.5403D-17 4.5354D-11 -4.8023D-11 -2.9958D-10 -1.0550D-10 5.5274D-09 1.1957D-10 -3.7058D-12
-1.4973D-06 1.9394D-10 -3.5644D-12 1.5263D-10 -6.1946D-10 -2.0984D-09 -8.4147D-10 1.4499D-08 -5.9892D-09 -2.6754D-10
-2.2974D-08 -1.8095D-08 -1.8498D-09 -4.2709D-08 -1.0944D-09 1.1986D-08 1.3739D-06 -3.0047D-08 -1.5232D-09 -3.2198D-09
-7.7192D-11 1.5213D-09 -3.2198D-09 -7.7207D-11 -3.5437D-11 -4.7687D-06 1.1818D-06 -5.8734D-11 -5.0444D-04 -1.1220D-03
1.3185D-12 -3.2019D-04 4.2550D-04 1.9771D-12 -5.7141D-03 -2.2215D-03 4.5921D-14 2.2681D-03 -3.0954D-03 -2.2080D-12
1.4533D-02 -4.5637D-04 -2.2640D-12 -4.2655D-03 2.7546D-03 1.0274D-13 3.7240D-02 2.6083D-03 -4.3330D-14 -2.0153D-07
-1.2920D-08 1.5604D-13 8.9537D-05 6.1537D-05 -9.7228D-14 -3.0694D-03 -4.9056D-04 4.1304D-06 2.3762D-12 7.2103D-02
2.1838D-02 3.2573D-12 2.1084D-02 8.8013D-02 -1.2865D-12 -8.2843D-02 -3.1996D-03 6.1249D-13 -5.4504D-02 -4.5303D-03
5.3790D-13 2.4669D-02 -1.4822D-03 6.1366D-13 1.9892D-02 -5.7246D-04 1.0731D-12 1.7507D-02 -1.4209D-04 5.0839D-13
-5.8166D-06

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.6136D 03 CYC./SEC.

6.0331D-12 -6.6235D-15 -3.3614D-14 -2.9354D-06 6.4497D-05 4.9972D-08 8.6871D-04 -1.3794D-02 -3.0431D-04 -3.6255D-05
4.4432D-02 -5.0782D-04 2.3093D-07 -1.2742D-03 3.2921D-07 4.9649D-03 -7.1575D-03 -5.1987D-02 -5.3056D-02 -2.0260D-03
3.2099D-01 1.7523D-01 1.6197D-02 -1.5659D-01 3.1723D-03 -6.8952D-02 1.5721D-02 -8.9687D-04 1.4224D-02 -1.0931D-03
2.3511E-05 -1.4211D-02 -1.0931D-03 2.3511D-05 1.9509D-04 -3.5508D-06 1.8524D-07 3.6991D-04 4.0569D-07 -4.3289D-07
-6.5709D-06 1.5588D-08 1.6022D-09 -1.4501D-05 1.2276D-09 8.7774D-09 -6.1469D-06 -2.3452D-08 5.5721D-09 9.8161D-06
-3.0751D-08 -4.3121D-09 1.3628D-05 1.1624D-08 -9.0861D-09 5.6918D-07 -7.6893D-09 -2.8029D-09 -2.4133D-11 -2.7552D-14
-2.3113D-14 2.2274D-08 -3.2633D-11 -2.8400D-11 -3.8719D-08 9.7621D-10 2.8064D-10 -3.9657D-10 -1.5065D-05 2.3074D-08
-5.6697D-10 -2.4754D-05 2.9786D-09 8.5150D-09 9.7380D-06 -7.3218D-09 -2.9374D-10 -1.0335D-06 4.0733D-09 -3.7010D-10
1.2290D-07 2.0416D-09 -1.3026D-10 -1.4158D-08 1.7210D-09 -5.0280D-11 1.6555D-09 1.5507D-09 -1.2803D-11 -2.1578D-13
-6.4246D-13

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.6436D 03 CYC./SEC.

-2.0026D-10 1.7839D-15 7.6449D-16 -1.0114D-04 1.5451D-06 1.7740D-09 -3.2413D-02 -3.4291D-04 7.5618D-06 2.6797D-03
-1.1651D-03 1.2862D-05 -7.6469D-06 4.7147D-02 -7.6503D-06 5.6005D-02 2.6944D-01 1.5350D-03 -1.4291D-03 6.7623D-02
-1.3076D-02 5.3451D-03 -6.2355D-01 -5.8971D-03 4.6063D-03 -2.0109D-00 -3.7938D-03 -4.9208D-04 -2.0388D-04 -3.3059D-05
1.1479D-06 -6.3204D-04 -3.3059D-05 1.1479D-06 -5.4794D-03 3.4931D-06 1.7640D-08 -1.1733D-02 -5.7115D-07 8.1659D-09
-1.5559D-04 2.5272D-09 -1.7462D-11 5.2467D-04 -1.2613D-09 -3.6663D-10 -3.7392D-04 -1.1264D-09 -2.7378D-10 -2.5709D-04
1.2669D-09 1.5672D-10 -5.5790D-04 -3.7920D-10 3.9414D-10 -1.4217D-04 3.0978D-10 1.3005D-10 5.2325D-09 1.9818D-13
-1.1165D-14 -5.0359D-06 -1.1611D-12 -1.1604D-12 -9.2738D-06 -3.8744D-11 -1.2027D-11 -3.9097D-10 -6.0642D-04 -8.1515D-10
7.4164D-11 1.2337D-03 -9.7144D-11 -2.0060D-10 -4.6058D-04 1.6059D-10 6.6101D-12 4.6649D-05 -7.5538D-11 7.5941D-12
-5.2677D-06 -4.1992D-11 -2.6539D-12 -5.8176D-07 -3.7709D-11 -1.0932D-12 -7.3136D-08 -3.4311D-11 -2.9585D-13 -7.3580D-12
1.4531D-14

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.6866D 03 CYC./SEC.

-2.3299D-12 7.8650D-15 1.4767D-18 1.2391D-06 -1.9920D-09 -8.1970D-12 -3.9845D-05 4.6552D-07 1.0178D-08 5.6312D-06
-1.7026D-06 1.8027D-08 -8.8634D-08 5.6740D-05 -8.8449D-08 6.6536D-05 3.3300D-04 2.6065D-06 -5.5159D-07 6.8101D-05

7.82730-10 -1.92280-07 -1.50600-08 7.82730-10 -9.25200-04 3.74110-09 1.54250-11 1.65420-01 -5.69700-10 1.14460-11

6.20160-02 2.02980-12 2.20650-13 -1.20430-01 -7.98290-12 -1.97590-12 -2.98120-01 4.33930-12 -1.90490-12 -7.26040-02

8.17130-12 7.10910-13 2.51100-01 -1.31600-12 2.38680-12 2.35200-01 1.51270-12 8.38020-13 -7.16560-06 1.37320-14

9.64810-16 7.26260-03 -3.57240-14 2.31530-14 -1.44730-02 -2.01420-13 -7.01730-14 4.21600-13 -3.24370-01 -4.20720-12

6.27920-13 -9.98680-01 -6.06190-13 -7.65380-13 3.46920-01 5.47510-13 2.44650-14 -3.29350-02 -1.67970-13 2.69230-14

3.49730-03 -7.41340-14 8.41730-15 -3.60640-04 -1.12120-13 2.43140-15 4.27830-05 -9.48450-14 2.84710-15 -4.37340-09

-1.37100-14

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.6977D 03 CYC./SEC.

1.11970-14 4.91770-09 -1.63170-17 1.38970-10 -8.54560-11 -1.09100-09 4.46080-10 4.47700-09 8.83340-11 -7.79730-11

-1.01840-08 -1.58100-10 -9.78630-12 -6.33920-10 -1.98380-09 -4.40750-09 -3.75820-09 -1.43180-08 -4.45700-09 -7.19200-10

5.77190-08 1.96930-08 8.98010-09 -1.90750-07 -2.14000-09 -1.99960-08 4.81580-06 -1.02630-07 1.44530-09 -1.01910-08

-2.25160-10 -1.44100-09 -1.01910-08 -2.25160-10 -5.09790-11 -2.12390-05 -4.96430-06 -1.29070-10 -4.47020-03 -5.45020-03

-5.81510-12 -5.47980-03 4.20690-03 1.59420-12 -4.36210-02 -2.64110-02 1.52920-11 5.70310-02 -2.72250-02 7.84900-12

-1.11700-01 -8.86950-03 -1.04970-11 -1.84020-02 -3.30860-02 -1.44180-11 -1.99590-02 -1.18540-02 -1.11560-14 -1.60500-07

-1.27720-08 -5.52440-13 8.22530-05 8.10980-05 9.22200-13 -2.66410-03 -9.57200-04 2.24930-06 1.53360-11 -5.89790-02

-9.30780-03 -5.47600-11 -7.49570-03 -9.86960-03 -1.87660-11 -7.08530-03 -3.00680-04 -1.48730-12 -2.30950-03 -3.00370-04

-1.57400-13 -1.66660-03 1.27370-04 1.48900-13 -1.63820-03 5.00990-05 1.94610-14 -1.57330-03 1.35320-05 1.11560-14

-4.53700-07

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.8722D 03 CYC./SEC.

-1.82760-11 -1.72740-15 -2.66180-19 1.19760-05 -8.64770-10 -5.21450-11 -6.92180-05 2.48530-07 5.18590-09 2.84530-05

-1.20710-06 1.12030-08 -6.86020-07 7.87250-05 -6.86100-07 8.89710-05 5.62050-04 2.99770-06 -2.41090-08 -7.32040-06

4.75730-06 8.68150-07 -1.37440-03 -1.93400-06 7.15510-06 7.03810-03 -4.71350-06 -5.33320-07 7.01230-08 -3.63860-09

4.53860-10 -3.44410-08 -3.63260-09 4.53880-10 -6.76180-03 3.11740-09 1.17970-11 2.65880 00 -3.63380-10 5.86120-12

-9.97090-03 1.23530-12 -4.45760-14 -1.52100-01 -1.11220-13 2.93420-15 -1.03320-01 2.98540-14 1.02320-13 1.17640-01

-2.63500-13 2.39230-14 1.42560-01 -3.42030-13 -8.99940-14 -7.00940-02 6.19180-13 -4.87560-14 1.01910-06 3.46410-14

1.09170-15 -1.27290-03 -3.19930-15 1.42700-15 3.42480-03 -7.42560-14 -3.11250-15 3.61810-13 -4.68640-02 1.29710-13

-5.99080-14 1.19010-01 -5.98510-14 -3.05750-14 -3.13100-02 5.07130-14 3.28980-15 2.30810-03 4.04980-13 1.90000-15

-1.89970-04 2.22870-13 6.56480-15 1.52060-05 1.78910-13 6.76800-15 -1.43190-06 2.32530-13 4.14030-15 1.18790-10

-1.44670-13

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 1.9681D 03 CYC./SEC.

3.55360-12 -1.74140-15 -1.01810-19 -2.57460-06 6.51640-11 1.00090-11 1.11770-05 -2.06220-08 -4.14460-10 -6.28840-06

1.13960-07 -1.01990-09 1.32730-07 -1.01650-05 1.32740-07 -1.13300-05 -8.45870-05 -3.41970-07 -4.07860-09 1.13910-05

-4.85900-07 -7.73120-08 1.97180-04 1.96310-07 -9.04220-07 -1.18040-03 5.30080-07 5.99540-08 -2.93360-08 2.56330-10

-4.35000-11 -2.09120-08 2.56330-10 -4.35600-11 1.61470-03 -3.17140-10 -1.20320-12 -7.02530-01 3.25720-11 -5.94160-13

-1.30950-01 -8.69080-14 1.29910-16 -3.74440-01 -8.22960-14 2.32280-14 -5.56970-01 9.01560-14 2.93510-15 2.85750-01

-8.10670-14 2.59480-15 6.05230-01 -8.20140-14 2.90690-14 -1.89860-01 -3.61220-14 1.55090-14 1.95840-06 3.48080-15

-1.85070-16 -2.70340-03 -1.04870-14 -4.88780-15 8.32600-03 7.36350-15 -6.42220-16 -3.74290-14 -2.22600-01 -3.95630-15

2.16970-14 2.88160-01 7.69340-14 -2.80290-15 -6.67810-02 -1.78980-14 4.52770-16 4.37880-03 -6.25930-14 -5.63810-15

-3.20330-04 -4.88240-14 4.59320-15 2.28030-05 6.06150-14 7.47630-17 -1.62560-06 1.27980-14 -3.26960-15 1.44560-10

1.62760-14

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 2.1225D 03 CYC./SEC.

-3.4200E-12 1.0741D-13 -1.3723D-14 -3.9342D-13 -2.4067D-12 -3.4203D-12 -1.2478D-12 1.1985D-11 1.5559D-13 7.4031D-13
1.7729D-11 3.1540D-12 3.0540D-12 -1.9435D-10 -3.1049D-12 -1.6100D-12 8.8696D-09 -1.7399D-10 1.5060D-13 -1.1813D-11
-2.6327D-13 -1.4459D-13 -1.1855D-11 -2.7468D-13 -4.8613D-16 -7.5623D-08 1.5477D-08 6.1275D-13 4.6461D-05 -2.6743D-05
1.5411D-13 -1.5852D-04 6.5470D-05 4.8421D-14 1.7559D-04 -6.9138D-04 2.0384D-13 1.5208D-03 2.7856D-04 1.1446D-13
-8.5960D-04 6.1155D-04 7.1969D-14 -1.0729D-03 -4.5200D-04 -1.7502D-14 -4.4629D-04 -4.7482D-04 9.5243D-15 8.3012D-10
6.5620D-11 -4.2969D-14 -6.6553D-07 -9.5848D-07 1.3715D-14 3.6858D-05 2.0893D-05 -5.4284D-08 -2.0577D-13 1.3094D-03
-1.1346D-03 -2.4095D-13 -3.6099D-03 -7.3995D-04 -3.8040D-13 6.7637D-02 5.6052D-04 -4.3193D-14 -1.0936D 00 -1.1077D-02
-6.8459D-13 -2.7539D-01 -2.7541D-02 5.3652D-13 3.5260D-01 -1.6011D-02 1.4518D-13 5.6593D-01 -5.4761D-03 -4.6533D-13
-1.0461D-04

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 2.1340D 03 CYC./SEC.

-1.1026D-16 -2.5031D-08 6.7412D-19 -7.1939D-12 3.7717D-12 9.0614D-11 -1.0402D-11 -1.0109D-10 -1.4369D-12 9.7469D-12
1.4219D-10 -4.7554D-12 -2.8237D-14 4.3801D-12 9.0946D-11 1.4437D-10 -6.0439D-11 -4.7904D-10 -7.0831D-12 -2.1468D-11
-7.0639D-10 -1.2645D-10 -1.0929D-10 7.9940D-09 1.2860D-10 6.3089D-11 -3.6893D-07 7.2255D-09 -5.8115D-12 4.8624D-10
1.1075D-11 5.8785D-12 4.8624D-10 1.1075D-11 -1.0386D-13 3.1619D-06 -6.5165D-07 1.0420D-12 -1.9982D-03 -1.1384D-03
-1.2339D-14 6.9449D-03 -2.8448D-03 4.6974D-14 -8.7296D-03 3.0408D-02 1.4665D-13 -6.5409D-02 -1.3532D-02 -1.1621D-13
4.0806D-02 -2.6150D-02 -4.4767D-13 4.4181D-02 2.1682D-02 -1.1636D-13 1.2163D-02 1.9039D-02 5.7870D-16 2.9174D-08
-3.1397D-09 -1.3473D-13 2.3645D-05 3.6095D-05 2.2103D-14 -1.2603D-03 -8.0832D-04 1.4830D-06 7.1831D-13 -5.3682D-02
3.0794D-02 -5.2675D-13 -1.3439D-02 -4.7419D-03 1.4807D-13 -3.5710D-03 -9.8979D-05 -1.5532D-14 -2.5140D-02 2.1291D-04
2.7791D-14 -5.8750D-03 -6.1129D-04 1.3011D-14 7.8303D-03 -3.6161D-04 2.3833D-14 1.2840D-02 -1.2451D-04 1.1046D-15
-2.3479D-06

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 2.3659D 03 CYC./SEC.

-1.2591D-09 2.4370D-16 -2.5903D-17 1.3176D-03 3.2224D-09 -3.4589D-09 -1.0069D 00 -1.5357D-06 -1.9298D-08 1.3050D 00
1.3367D-05 -1.3599D-07 -4.6271D-05 -3.1489D-03 -4.6274D-05 -3.3809D-03 9.6194D-01 -7.1766D-05 -2.9265D-06 -8.1541D-01
-7.4960D-05 -9.5178D-06 8.9665D-02 3.1483D-09 -2.6428D-04 -3.5337D-02 1.0166D-04 1.1571D-05 1.2435D-03 5.8299D-09
-5.1303D-09 1.2442D-03 5.8299D-09 -5.1303D-09 4.6469D-05 -4.2214D-08 -1.5857D-10 -3.8426D-05 2.8385D-09 -3.1881D-11
-2.0932D-07 -6.0259D-12 1.5791D-13 3.4903D-06 2.6121D-13 -2.8463D-14 -1.7584D-06 2.3041D-13 -2.8711D-13 -2.3277D-06
7.5351D-13 2.8621D-13 3.2974D-06 -8.4519D-13 6.8596D-15 1.4751D-07 -1.0066D-13 -3.1029D-13 -3.6437D-13 1.0265D-14
6.1574D-17 8.8275D-10 -5.4945D-14 5.9420D-16 -4.3752D-09 3.9667D-16 8.6779D-15 -5.4181D-12 -4.5852D-06 8.2086D-13
-8.6820D-13 1.8683D-06 2.9991D-13 8.2028D-14 -2.7805D-07 -2.1037D-14 -1.5267D-15 1.2028D-08 1.5190D-14 8.1875D-16
-5.7926D-10 -5.3782D-14 -1.2795D-15 2.7223D-11 2.0404D-14 1.2783D-15 -1.5172D-12 -1.0822D-13 -1.0039D-15 -8.1989D-14
-1.7128D-14

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 2.3985D 03 CYC./SEC.

-1.1177D-13 -3.8960D-16 -1.2662D-20 -1.2023D-07 1.4608D-13 3.0803D-13 -7.1169D-06 -5.7211D-11 -6.3872D-13 9.6927D-06
5.1328D-10 -5.4469D-12 4.1043D-09 -1.2869D-07 4.1046D-09 -1.3788D-07 2.4849D-07 -2.8634D-09 -1.1981D-10 -1.3720D-06
-2.9209D-09 -3.6885D-10 -3.7697D-06 -1.2340D-09 -1.0765D-08 -3.6487D-05 -4.0165D-09 -4.5732D-10 -2.0228D-09 -1.8637D-13
-1.9494D-13 2.0499D-09 1.8637D-13 -1.9494D-13 1.2187D-04 -1.6312D-12 -6.5222D-15 -7.8941D-02 -3.4151D-14 2.3601D-15
-1.0192D-01 -5.9683D-14 -2.2313D-15 -4.6967D-01 -2.5530D-13 -1.7414D-14 -1.1867D-01 -2.6181D-13 -2.4030D-15 -3.8245D-01
-3.0364D-16 1.0778D-14 -3.9976D-01 1.1914D-13 -1.1875D-14 -8.0638D-02 -3.1358D-13 -6.8972D-15 2.4597D-07 2.0290D-14
-6.6245D-16 -5.0437D-04 -1.9189D-14 -1.2754D-15 -2.5546D-03 -1.9343D-14 -3.0556D-15 -2.4586D-16 -1.0131D 00 -1.3223D-13
-1.0366D-14 -3.8941D-01 -3.6977D-14 -3.4414D-15 5.6145D-02 2.0032D-14 4.7220D-16 -2.3566D-03 6.8834D-14 1.0154D-15
-1.1018D-04 -6.0799D-14 -3.2071D-16 -5.0152D-06 6.1777D-14 -1.2583D-15 -2.7750D-07 -8.4172D-14 -3.0866D-16 -1.4027D-11
-4.1867D-14

-3.6709D-15 -1.4052D-09 -6.8743D-18 8.5953D-13 -4.0480D-13 -1.3990D-11 -1.8643D-11 1.0377D-11 1.0532D-13 2.6573D-11

-8.5310D-12 7.9739D-13 -3.8179D-14 -1.4869D-13 -1.1678D-11 -1.3153D-11 -1.5664D-11 4.4204D-11 1.5377D-12 9.1606D-12

5.2171D-11 8.5301D-12 8.1269D-12 -9.0085D-10 -1.5503D-11 -3.2047D-12 5.5443D-08 -1.0452D-09 3.5551D-13 -5.6324D-11

-1.2876D-12 -3.9029D-13 -5.6324D-11 -1.2876D-12 -1.3811D-15 -6.7115D-07 1.3030D-07 -2.9105D-13 6.3047D-04 -2.9562D-04

3.3330D-14 -3.2801D-03 1.1506D-03 9.0665D-14 1.5632D-02 -1.6346D-02 1.6931D-13 5.0845D-03 2.5945D-02 1.5584D-13

-3.4404D-02 -1.1808D-02 6.6026D-14 3.1020D-02 -1.3150D-02 -4.8314D-14 2.7973D-02 2.5867D-02 -3.2353D-15 -1.5951D-08

-1.8448D-09 1.5391D-14 1.6748D-05 2.8154D-05 -9.5193D-15 -1.3532D-03 -8.4411D-04 3.6456D-06 -1.7627D-13 -8.2230D-02

9.1794D-02 -2.4509D-13 -3.1345D-02 -8.2421D-03 2.6029D-14 2.8570D-03 1.1457D-04 -1.0872D-13 -1.3117D-03 2.7582D-05

8.0965D-15 -1.2138D-03 -1.5418D-05 3.0992D-14 2.2493D-04 -2.2798D-05 7.4632D-15 9.3911D-04 -9.5333D-06 -2.4402D-13

-1.3272D-07

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 2.4554D 03 CYC./SEC.

-8.1151D-10 1.0670D-15 -1.4756D-17 9.1466D-04 -2.3445D-09 -2.2335D-09 -7.5322D-01 1.1320D-06 9.4169D-09 1.1123D 00

-1.0736D-05 1.2423D-07 2.9748D-05 2.9898D-03 -2.9750D-05 -3.1421D-03 -1.2944D-00 6.3931D-05 2.7822D-06 9.2488D-01

6.2537D-05 7.8493D-06 -9.1928D-02 -2.6727D-05 2.4874D-04 3.2038D-02 -8.6072D-05 -1.0038D-05 -1.3095D-03 -1.2813D-09

4.0476D-09 -1.3100D-03 -1.2613D-09 4.0476D-09 -3.9446D-05 -3.3976D-08 -1.3174D-10 -2.7215D-05 -2.1024D-09 -2.1900D-11

-3.6444D-08 4.2420D-12 -1.1951D-13 -1.6244D-06 -6.7803D-13 3.0570D-13 1.6181D-06 -2.8208D-13 -3.0754D-13 2.2271D-07

-8.0626D-13 4.5400D-14 -1.8110D-06 -5.8560D-13 2.5032D-13 -1.3461D-06 -2.7018D-13 -3.3955D-13 -3.2028D-12 -1.6790D-14

-6.5181D-16 6.8958D-09 4.3754D-14 2.1913D-14 -3.6939D-08 1.9614D-14 1.0044D-14 4.4582D-12 -7.3431D-06 1.0695D-12

-1.3578D-12 2.5649D-06 4.3707D-13 -1.1421D-13 -3.5035D-07 -5.8084D-14 -2.6959D-15 1.3968D-08 -5.8329D-14 -1.0900D-15

-6.1967D-10 -1.2144D-13 -1.6024D-15 2.6905D-11 -1.6166D-13 -7.3283D-16 -1.4215D-12 -2.5181D-13 -1.2716D-15 -2.2588D-13

8.7219D-14

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 2.4764D 03 CYC./SEC.

8.0973D-14 1.0283D-14 -2.3039D-20 -9.2748D-08 8.1012D-14 2.2235D-13 2.9307D-06 -3.1365D-11 -2.1816D-13 -4.4509D-06

3.0250D-10 -3.6500D-12 2.9638D-09 -8.7536D-08 2.9640D-09 -9.3343D-08 7.0708D-06 -1.8458D-09 -8.1417D-11 -5.4886D-06

-1.7775D-09 -2.2290D-10 2.7393D-06 7.6311D-10 -7.2685D-09 -2.4192D-05 2.5253D-09 2.8791D-10 7.6330D-09 2.0997D-14

-1.1374D-13 7.6484D-09 2.0703D-14 -1.1382D-13 8.9731D-05 -9.6301D-13 -3.8380D-15 -6.1976D-02 9.7714D-14 -5.5011D-14

9.3503D-02 -4.1070D-14 -9.6038D-16 -4.6691D-01 2.3011D-13 7.7528D-15 2.6064D-01 -3.8783D-13 1.2777D-14 2.2827D-01

2.7649D-13 -2.0761D-14 -4.6965D-01 -1.1907D-13 1.1382D-14 2.0174D-01 -4.7582D-14 4.9211D-15 -4.5510D-07 1.8994D-14

-5.0045D-15 9.9489D-04 -9.4292D-15 -2.7158D-16 -5.4384D-03 -5.5518D-15 2.6120D-16 -1.3215D-16 -9.2274D-01 2.0019D-14

-3.1618D-14 3.1164D-01 4.5403D-15 3.0375D-15 -4.1744D-02 -2.3692D-15 1.8336D-16 1.6335D-03 1.0974D-13 1.3353D-15

-7.1142D-05 6.7598D-14 3.0106D-15 3.0204D-06 3.8698D-15 1.8924D-15 -1.5623D-07 3.7946D-14 8.9101D-16 7.0976D-12

3.9820D-14

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 2.6038D 03 CYC./SEC.

-4.0693D-17 -8.0643D-10 -3.4101D-20 -2.8350D-13 1.4034D-13 -5.4053D-12 -1.6100D-13 -3.1726D-12 1.0824D-14 2.7524D-13

2.2665D-12 -4.4064D-13 -1.2821D-13 1.0632D-14 4.0243D-12 4.4162D-12 -1.3783D-12 -1.3242D-11 -5.3975D-13 1.1907D-12

-1.3651D-11 -2.2281D-12 -2.6812D-12 -2.9602D-10 -5.2413D-12 -8.9584D-13 -2.1182D-08 -3.9236D-10 -7.5062D-14 1.8758D-11

4.2782D-13 6.0743D-14 1.8638D-11 4.2812D-13 -6.7968D-15 3.0462D-07 -5.7877D-08 -1.8085D-14 -3.4767D-04 1.5114D-04

-3.5143D-14 -2.1997D-03 -7.2669D-04 -2.0732D-13 -1.4867D-02 1.2000D-02 9.8996D-14 1.4931D-02 -2.7954D-02 8.5116D-14

3.2664D-03 3.2467D-02 -2.0701D-13 -2.0229D-02 -2.3697D-02 9.5130D-14 1.8809D-02 5.2265D-03 -2.4168D-15 -3.4091D-09

-8.4940D-08

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 2.7506D-03 CYC./SEC.

2.8479D-17 -8.0894D-07 3.4691D-21 -6.5425D-15 7.8621D-15 -1.0655D-15 1.8294D-13 -1.3880D-14 9.2841D-15 1.8690D-13
-2.2414D-14 9.8340D-15 -3.9546D-14 1.4714D-14 -5.4285D-14 -2.2101D-14 1.7777D-13 -8.3221D-14 1.4456D-14 1.5969D-13
-3.7595D-14 1.6076D-15 1.2456D-13 -1.1576D-13 -1.7650D-15 7.7756D-14 3.9550D-12 -7.9612D-14 -1.0232D-14 9.4606D-15
2.0038D-15 -1.0005D-14 -5.8502D-15 -2.1386D-15 -5.9263D-15 -6.8214D-11 1.2789D-11 2.8318D-15 9.0166D-08 -3.7302D-08
1.0225D-14 -6.6050D-07 2.0982D-07 6.0360D-15 5.5762D-06 -3.8961D-06 -4.4272D-15 -1.0780D-05 1.1641D-05 -1.1217D-14
1.1855D-05 -1.9894D-05 -1.1569D-14 -1.1807D-05 2.8961D-05 -5.7506D-15 -1.0679D-05 -3.9076D-05 -1.3616D-15 6.4719D-12
1.0247D-12 -9.5167D-15 -8.7113D-09 -2.1835D-08 -1.0412D-15 7.9036D-07 9.0906D-07 -1.5225D-05 -4.6754D-15 5.2588D-05
5.7514D-06 4.0928D-16 8.6519D-04 1.4107D-04 3.1154D-15 -2.5815D-02 -2.2467D-04 1.7996D-14 8.4662D-01 1.3823D-02
-2.1840D-15 -1.1637D 00 2.6130D-03 -1.3763D-14 -1.6486D-01 -1.3050D-02 7.4480D-15 6.9688D-01 -7.3239D-03 7.0690D-14
-7.6824D-05

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 2.7616D 03 CYC./SEC.

-1.5578D-14 1.0633D-15 2.5570D-19 2.3597D-08 -3.2791D-14 -4.5318D-14 -6.4086D-09 1.9643D-12 -2.7359D-13 1.2598D-08
-2.3061D-11 1.5966D-12 -6.0257D-10 1.0326D-08 -6.0260D-10 -1.0864D-08 -8.4753D-08 -1.8764D-10 -9.2917D-12 -1.1159D-07
1.4223D-10 1.8419D-11 -4.0443D-07 -6.6180D-11 8.3943D-10 5.6103D-06 -2.2950D-10 -2.6273D-11 -1.2440D-10 -8.2259D-16
8.3259D-15 -1.2540D-10 -8.2021D-16 8.3265D-15 -2.9536D-05 -6.8404D-14 -2.5718D-16 -2.5386D-02 -1.3187D-15 -1.1393D-14
-6.0013D-02 -5.6387D-15 2.0965D-16 3.8986D-01 1.4448D-15 -1.4988D-16 -6.6852D-01 -5.5209D-15 -8.3276D-16 6.9702D-01
-4.4146D-15 -1.0690D-15 -4.6468D-01 -8.2881D-15 -7.5676D-16 -5.8466D-02 -4.7771D-15 -1.6504D-16 -6.5620D-08 -3.7001D-15
1.3650D-10 1.7841D-04 -3.4693D-15 1.2187D-17 -1.2568D-03 -4.8786D-15 -9.3952D-18 9.3898D-18 -8.3287D-02 -3.2768D-15
9.2281D-17 1.9112D-02 7.6531D-15 8.3775D-16 -2.0013D-03 2.2017D-14 4.7267D-16 6.1862D-05 -9.9428D-14 -1.5300D-15
-2.1264D-06 -5.4702D-14 -2.5420D-15 7.1289D-08 -3.7176D-14 3.7653D-17 -2.9353D-09 5.9898D-14 9.5450D-16 1.1232D-13
-7.4506D-15

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 2.8044D 03 CYC./SEC.

9.1000D-15 -3.9394D-15 -6.8620D-15 -1.3380D-08 4.7615D-05 2.9955D-07 8.7074D-09 -3.0856D-02 -5.8939D-02 -1.8900D-08
4.3317D-02 2.5735D-01 3.3108D-10 -2.0326D-08 1.8564D-07 -1.2421D-06 1.4636D-07 -6.0482D-04 2.2207D-04 -2.0429D-07
-2.5471D-03 8.3319D-05 8.2149D-07 7.0410D-05 -1.9750D-06 -1.9189D-07 -1.7535D-06 1.2995D-07 2.2335D-06 2.7678D-06
-6.3810D-08 -2.2330D-06 2.7678D-06 -6.3810D-08 1.8198D-10 9.2333D-11 -1.6866D-10 -7.3072D-11 4.1417D-11 2.9111D-11
1.0461D-12 -3.1036D-13 -6.2647D-14 -2.2670D-12 8.6041D-14 4.2697D-14 2.7482D-12 -2.8105D-14 -2.4772D-14 -2.4387D-12
-4.0173D-14 1.2866D-14 1.4330D-12 -5.2349D-14 -2.0235D-15 -1.6710D-13 4.7921D-14 -4.5995D-15 6.3658D-17 9.7564D-15
1.4382D-16 -9.8575D-15 -1.5033D-14 -1.9307D-16 3.0550D-15 -3.2278D-15 1.4903D-15 1.3394D-14 2.5515D-13 1.9824D-14
3.0607D-14 -2.5975D-14 -4.5508D-14 -2.5482D-15 2.4418D-14 -6.2726D-14 -8.2252D-16 1.0284D-14 -1.2754D-13 -1.8466D-15
2.1519D-14 -1.3179D-13 1.9046D-15 -4.1147D-15 -3.8304D-14 3.5397D-15 -2.6825D-14 8.2823D-14 3.3912D-15 2.8919D-17
1.6224D-14

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 2.8951D 03 CYC./SEC.

-5.3749D-15 3.7769D-10 -6.5361D-20 -1.3206D-14 9.3492D-15 -1.7376D-13 6.3303D-14 -3.3301D-14 -3.2961D-15 6.1677D-14
6.2892D-14 2.5119D-14 -1.2823D-13 1.6718D-13 -2.9246D-14 8.0714D-14 2.9793D-14 -3.0067D-13 -1.2779D-14 6.3948D-14
-2.0252D-13 -4.2588D-14 -7.4536D-14 -7.4052D-13 -1.3841D-13 -1.2920D-13 -6.7171D-10 -1.2155D-11 -6.4542D-15 -4.1665D-13
1.1233D-14 7.3820D-15 5.5546D-13 1.0406D-14 7.8060D-15 1.2442D-08 -2.3005D-09 5.9442D-14 -1.8714D-05 7.4394D-06
-5.4099D-14 -1.5646D-04 -4.8156D-05 -6.3091D-14 -1.5859D-03 9.9698D-04 -1.0987D-13 -4.4294D-03 -3.6582D-03 -8.2915D-14

-1.07560D-01 2.66510-14 2.64330-02 5.43710-03 5.3P630-14 -1.35970-03 -5.21980-05 3.35370-14 9.00170-04 1.03400-06
-3.43760-15 -5.65150-04 4.02860-06 7.79810-15 -1.70960-04 -5.71710-06 -2.95770-14 3.61090-04 -3.84090-06 5.45280-15
-3.59400-08

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 3.41350-03 CYC./SEC.

-5.91400-18 6.19160-07 1.41420-21 3.91030-18 1.82970-15 4.12760-18 8.81070-14 -1.05130-13 -2.02230-15 -6.97300-14
-2.62820-14 -2.26450-15 4.44830-16 1.29430-14 3.96380-16 8.65230-14 -7.12100-14 7.77960-14 -3.69800-14 -2.09240-14
-4.10440-14 -3.32280-15 -6.28600-14 2.34060-16 8.41180-15 5.10760-14 2.00700-13 -9.78970-15 -5.43450-17 -1.09080-15
-5.37770-17 2.12530-15 -1.09090-15 -5.37810-17 5.27590-16 1.90510-15 -3.70560-16 -2.37470-14 -4.71720-12 1.70210-12
-1.03420-14 5.89590-11 -1.68050-11 2.31010-15 -9.80570-10 4.91550-10 2.45220-14 5.75820-09 -3.13990-09 5.53100-14
-2.33340-08 1.33070-08 1.03310-14 9.05100-08 -5.52820-08 4.42250-15 -2.11940-07 2.28470-07 2.81480-16 -1.91380-14
-1.50950-15 3.76790-14 1.82740-12 4.15760-11 -3.40870-15 1.09110-09 -3.02640-09 -3.92310-11 -2.27580-14 1.57800-06
-2.89400-06 -4.26250-15 7.37260-05 1.07680-05 -2.02710-15 -3.47040-03 -3.10910-05 2.87730-14 1.91600-01 3.62780-03
-9.53790-15 -6.97930-01 -6.27090-03 -1.95530-14 1.18780 00 2.96780-03 1.72060-14 -8.26710-01 9.07700-03 -1.93830-14
5.92290-05

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 4.40120 03 CYC./SEC.

-8.39620-16 -1.42260-15 8.99460-17 1.75410-11 -1.28500-06 -1.04280-09 1.61810-09 2.05330-03 7.09410-05 -1.14350-08
-6.87020-02 -3.68610-05 -1.71030-13 -4.55240-07 -2.56280-10 -7.81010-05 -4.63550-07 -1.63290-00 9.59180-02 -2.37190-06
-1.04660 00 3.30680-02 4.59820-05 1.15480-02 -3.13700-04 -3.50260-06 -1.10640-04 8.17120-06 3.59630-04 4.61910-04
-1.06640-05 -3.59620-04 -4.61910-04 -1.06640-05 -1.33310-09 -2.37870-09 -1.96370-10 -1.46770-10 -2.09240-11 1.21130-11
5.47550-13 -3.85790-14 -1.01240-14 -1.33700-13 -2.87460-15 1.66270-15 2.59660-14 4.56990-15 -2.23090-16 5.39850-15
-3.44500-15 -7.90670-17 -1.19230-14 -1.04640-14 -1.71540-16 -2.94370-15 -2.58050-15 -1.37850-16 5.92340-15 1.47220-14
-2.15460-15 6.08260-15 2.55480-15 2.54500-16 6.61320-15 2.28750-15 7.69690-17 -2.44850-13 -6.05050-15 6.01370-15
-1.09260-15 -1.44680-14 -6.67940-15 -6.86160-17 -1.16100-14 -6.45360-15 -1.37780-17 3.10310-14 1.99420-15 -3.77940-17
4.46400-14 3.92520-15 -1.88760-16 5.32690-14 1.55160-15 -2.30320-16 5.69830-14 -2.87640-16 1.70990-18 7.60390-15
-1.10940-14

...MODE SHAPE...CORRESPONDING TO NATURAL FREQUENCY 5.03240 03 CYC./SEC.

4.15200-18 -5.39110-17 4.65650-21 1.79400-14 -4.94210-15 -9.74760-18 -1.43790-14 1.40140-13 4.61830-15 -1.13610-14
3.98390-14 4.88460-15 -1.17920-13 4.29920-14 -1.19110-13 -4.99060-13 3.76180-14 4.19960-13 4.37920-14 2.44950-14
-1.55950-13 2.61210-14 -2.69770-13 -1.73420-11 -2.32370-12 -4.45320-15 7.89580-09 2.58260-10 6.81900-16 -1.86670-12
-4.26470-14 -2.13440-15 -1.86670-12 -4.26470-14 -4.44060-16 -1.23230-06 5.19950-14 -4.32350-17 1.62440-08 -3.36240-10
3.73990-16 -7.17120-12 3.21270-13 3.49660-16 6.35000-12 -2.75100-12 2.51780-16 -6.23750-11 4.77700-11 1.23670-16
-2.05980-09 -5.63350-10 -2.66260-17 1.90860-07 5.62330-09 -1.87720-16 -1.20760-05 3.19780-10 5.95940-17 2.29710-14
1.46330-15 -1.89080-16 -1.05310-10 -7.02880-11 -1.73150-16 6.34430-08 6.13420-09 3.16230 00 -4.25150-16 2.80730-07
-3.64590-08 -9.44590-16 1.05680-09 5.99820-10 -1.19680-15 -3.72350-11 -1.90660-12 -3.88240-17 3.82470-12 -5.52780-14
1.85970-15 -3.15660-13 4.25250-15 3.90630-15 3.74810-14 -2.98630-16 5.04480-15 -6.17260-15 2.51310-16 -5.85730-17
2.62410-15

NOTE THE FOLLOWING ANALYSIS ASSUMES THAT
(1) THE MAIN DIAGONAL TERMS OF MATRIX CY ABOVE ARE MUCH GREATER THAN THE OFF DIAGONAL TERMS
(2) THE UNDAMPED FREQUENCIES ARE SEPARATED WIDELY
(3) PROPORTIONAL DAMPING. NO IN MODE PHASE CHANGES OF THE EIGENVECTORS DUE TO DAMPING

LOAD CASE 1

PRINTED OUTPUT	TAPE OUTPUT
DISPLACEMENTS. ALL	ALL
VELOCITIES. ALL	ALL
ACCELERATIONS. ALL	ALL

NJL JJA NL J JCN
1 1 1 1 201

BASE MOTION AT A FREQUENCY OF 20.77160 RAD/SEC WAS INPUT WITH THE FOLLOWING AMPLITUDES AT THE NODE POINTS

INPUT G LEVEL OF 0.30000 G UNITS AT NODE 92

GENERALIZED MASS	MAX DISPLACEMENT	MAX VELOCITY	MAX ACCELERATION
1	6.0682D-04	1.2605D-02	2.6182D-01
2	1.6834D-02	3.4967D-01	7.2633D 00
3	2.4170D-04	5.0205D-03	1.0428D-01
4	6.3194D-04	1.3126D-02	2.7266D-01
5	2.0915D 00	4.3444D 01	9.0241D 02
6	1.2056D-02	2.5041D-01	5.2015D 00
7	6.9750D-04	1.4488D-02	3.0094D-01
8	2.3512D 00	4.8839D 01	1.0145D 03
9	1.6933D-02	3.5173D-01	7.3060D 00
10	7.0071D-04	1.4555D-02	3.0233D-01
11	2.4720D 00	5.1347D 01	1.0666D 03
12	1.6934D-02	3.5175D-01	7.3065D 00
13	6.3198D-04	1.3127D-02	2.7267D-01
14	7.3750D-04	1.5319D-02	3.1820D-01
15	3.4020D-01	6.9738D 00	1.4032D 02
16	1.0789D 00	2.2410D 01	4.6548D 02
17	7.2660D-04	1.5097D-02	3.1356D-01
18	2.4906D 00	5.1741D 01	1.0747D 03
19	7.1298D-02	1.4810D 00	3.0762D 01
20	7.3000D-04	1.5163D-02	3.1496D-01
21	2.9136D 00	6.0520D 01	1.2571D 03
22	6.9850D-03	1.4509D 00	3.0137D 01
23	7.3746D-04	1.5318D-02	3.1818D-01
24	3.5429D 00	7.3592D 01	1.5286D 03
25	4.3122D-02	8.9572D-01	1.8606D 01
26	7.3085D-04	1.5181D-02	3.1533D-01
27	4.3120D 00	8.9567D 01	1.8604D 03
28	3.7905D-02	7.8735D-01	1.6354D 01
29	1.7276D 00	3.5890D 01	7.4550D 02
30	3.6176D 00	7.5144D 01	1.5609D 03
31	5.0407D-02	1.0470D 00	2.1749D 01
32	1.7264D 00	3.5860D 01	7.4487D 02
33	3.6176D 00	7.5144D 01	1.5609D 03
34	5.0407D-02	1.0470D 00	2.1749D 01
35	7.2221D-04	1.5001D-02	3.1160D-01
36	4.8687D 00	1.0113D 02	2.1007D 03
37	1.7150D-02	3.5624D-01	7.3997D 00
38	7.2416D-04	1.5042D-02	3.1244D-01
39	5.1502D 00	1.0698D 02	2.2221D 03
40	2.1217D-02	4.4070D-01	9.1541D 00
41	7.3610D-04	1.5082D-02	3.1328D-01
42	5.4763D 00	1.1375D 02	2.3628D 03
43	2.4637D-02	5.1176D-01	1.0630D 01
44	7.6628D-04	1.5085D-02	3.1333D-01
45	5.7506D 00	1.1946D 02	2.4812D 03
46	2.4754D-02	5.1419D-01	1.0680D 01
47	7.2649D-04	1.5090D-02	3.1345D-01
48	5.2088D 00	1.0818D 02	2.2472D 03

52	2.49330-02	5.18940-01	1.07790 01
53	7.27020-04	1.51010-02	3.13680-01
54	7.36980 00	1.53080 02	3.17980 03
55	2.49680-02	5.19030-01	1.07810-01
56	7.27280-04	1.51070-02	3.13790-01
57	7.91010 00	1.64200 02	3.41290 03
58	2.49220-02	5.17660-01	1.07530 01
59	7.30200-04	1.51690-02	3.15000-01
60	5.96720 00	1.23960 02	2.57460 03
61	1.64030-02	3.82260-01	7.94010 00
62	7.27400-04	1.51090-02	3.13840-01
63	8.05660 00	1.25300-02	2.61320-03
64	2.41090-02	5.00750-01	1.04020 01
65	7.27350-04	1.51080-02	3.13820-01
66	6.96780 00	1.44730 02	3.00630 03
67	2.48440-02	5.16060-01	1.07190-01
68	2.68630-01	5.58000 00	1.15900 02
69	7.27310-04	1.51070-02	3.13810-01
70	8.36940 00	1.73240 02	3.61970 03
71	2.53700-02	5.26970-01	1.09460-01
72	7.27380-04	1.51090-02	3.13830-01
73	8.97280 00	1.86380 02	3.87140 03
74	2.67940-02	5.56560-01	1.15600 01
75	7.27420-04	1.51100-02	3.13850-01
76	9.57230 00	1.98830 02	4.13000 03
77	2.70340-02	5.61530-01	1.16640 01
78	7.27790-04	1.51170-02	3.14010-01
79	1.05370-01	2.18870-02	4.54630-03
80	2.81820-02	5.85390-01	1.21600 01
81	7.28050-04	1.51230-02	3.14130-01
82	1.15220 01	2.39440 02	4.97370 03
83	2.85450-02	5.92920-01	1.23160-01
84	7.28260-04	1.51270-02	3.14210-01
85	1.25260 01	2.60190 02	5.40470 03
86	2.86720-02	5.95570-01	1.23710 01
87	7.28420-04	1.51300-02	3.14280-01
88	1.35280 01	2.81000 02	5.83680 03
89	2.86940-02	5.96020-01	1.23800 01
90	7.57100-04	1.57250-02	3.26660-01
91	1.35340-01	2.81120-02	5.83920-03

TRANSIENT MOTION WITH LOAD AT GENERALIZED MASS 92

DISPLACEMENTS.
ALL

VELOCITIES.
ALL

ACCELERATIONS.
ALL

TIME
0.0 DISPLACEMENTS

0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0

0.0 VELOCITIES

0.14080-18	0.21980-18	0.65220-20	-0.10120-17	-0.28770-15	0.99810-18	-0.75350-18
-0.27850-15	0.16070-18	-0.75230-19	-0.28040-15	0.15930-18	-0.10260-17	-0.56910-18
-0.25900-16	-0.58830-17	-0.81470-18	-0.28320-15	-0.65950-17	-0.83070-18	-0.32240-15
-0.63950-17	-0.81810-18	-0.35900-15	-0.20350-18	-0.91990-18	-0.34880-15	-0.80560-18
0.15990-15	-0.32890-15	-0.84010-18	-0.16190-15	-0.33890-15	-0.84010-18	-0.10670-17
-0.31870-15	0.19230-17	-0.10460-17	-0.28060-15	0.32700-17	-0.10240-17	-0.23830-15
0.46220-17	-0.10250-17	-0.18700-15	0.46760-17	-0.10290-17	-0.85430-16	0.47700-17
-0.10330-17	-0.18130-16	0.48590-17	-0.10380-17	0.12360-15	-0.49430-17	-0.10430-17
0.23070-15	0.50220-17	-0.11090-17	-0.17240-15	0.42590-17	-0.10460-17	-0.14990-15
0.49770-17	-0.10450-17	0.38770-16	0.50250-17	-0.70230-15	-0.10430-17	0.32910-15
0.52280-17	-0.10430-17	0.49480-15	0.58940-17	-0.10430-17	0.58830-15	0.60090-17
-0.10420-17	0.90820-15	0.65580-17	-0.10400-17	0.10400-14	0.67290-17	-0.10390-17
0.12770-14	0.67920-17	-0.10390-17	0.15140-14	0.68020-17	-0.10540-17	0.16140-14

0.0 ACCELERATIONS

0.17580-16	0.49590-15	-0.71570-17	-0.12980-16	0.65050-13	0.34910-15	-0.82130-16
0.72680-13	0.51810-15	-0.82780-16	0.76430-13	0.51830-15	-0.11420-16	-0.13330-15
-0.67540-14	-0.30420-13	-0.70980-16	0.77020-13	0.20250-14	-0.69180-16	0.89080-13
0.19010-14	-0.77280-16	0.10590-12	0.12160-14	-0.51240-16	0.12860-12	0.10670-14

0.71220-15 -0.29130-16 0.16980-12 0.71580-15 -0.27980-16 0.18540-12 0.72020-15
-0.26600-16 0.20110-12 0.72230-15 -0.25070-16 0.21670-12 0.72230-15 -0.23460-16
0.23240-12 0.71990-15 -0.19580-16 0.17600-12 0.56260-15 -0.22840-16 0.17870-12
0.69700-15 -0.22960-16 0.20510-12 0.71780-15 -0.10670-11 -0.23430-16 -0.24620-12
0.73180-15 -0.23360-16 0.26300-12 0.77180-15 -0.23330-16 0.28030-12 0.77860-15
-0.23960-16 0.30810-12 0.81250-15 -0.23960-16 0.33670-12 0.82340-15 -0.24250-16
0.36550-12 0.82740-15 -0.24380-16 0.39450-12 0.82810-15 -0.25400-16 0.39470-12

0.20000-01 DISPLACEMENTS

0.4891D-06 -0.6958D-05 0.3315D-06 0.4155D-04 -0.3622D-01 0.2074D-03 0.4620D-04
-0.3065D-01 0.3826D-03 0.4642D-04 -0.2765D-01 0.3826D-03 0.4146D-04 0.4931D-04
-0.5146D-02 -0.1107D-01 0.4826D-04 -0.2697D-01 0.3882D-03 0.4848D-04 -0.2475D-01
-0.3376D-03 0.4925D-04 -0.2033D-01 0.4452D-03 -0.4853D-04 -0.1168D-01 0.4092D-03
-0.7065D-02 -0.1789D-01 0.4579D-03 0.7961D-02 -0.1769D-01 0.4579D-03 0.4759D-04
-0.5226D-02 0.1841D-03 0.4695D-04 -0.3509D-02 0.1071D-03 0.4630D-04 -0.2717D-02
0.3053D-04 0.4626D-04 -0.2411D-02 0.2746D-04 0.4617D-04 -0.1914D-02 0.2225D-04
0.4606D-04 -0.1527D-02 0.1744D-04 0.4598D-04 -0.1241D-02 -0.1306D-04 0.4590D-04
-0.1043D-02 0.9117D-05 0.4151D-04 -0.7812D-03 -0.2576D-04 0.4583D-04 -0.1103D-02
-0.2886D-05 0.4583D-04 -0.1349D-02 0.9219D-05 -0.1064D 00 0.4589D-04 -0.9128D-03
0.6907D-05 0.4586D-04 -0.8778D-03 0.5639D-06 0.4583D-04 -0.9003D-03 -0.2166D-06
0.4554D-04 -0.9598D-03 -0.2890D-05 0.4531D-04 -0.1072D-02 -0.3422D-05 0.4511D-04
-0.1193D-02 -0.3480D-05 0.4493D-04 -0.1314D-02 -0.3471D-05 0.7632D-05 -0.7036D-03

0.20000-01 VELOCITIES

0.8228D-04 -0.1811D-02 0.4505D-04 0.1192D-02 -0.4054D 01 0.1770D-01 0.7721D-04
-0.3658D 01 0.2724D-01 0.1013D-03 -0.3459D 01 0.2725D-01 0.1353D-02 -0.6940D-03
-0.4421D 00 -0.1270D 01 0.7904D-03 -0.3425D 01 0.5502D-01 0.9181D-03 -0.3101D 01
0.5233D-01 0.1045D-02 -0.2513D 01 0.5079D-01 0.2214D-02 -0.1531D 01 0.4461D-01
-0.1264D 01 -0.2287D 01 0.5881D-01 0.1268D 01 -0.2267D 01 0.5881D-01 0.3819D-02
-0.9345D 00 -0.1666D-01 0.4449D-02 -0.7291D 00 -0.1265D-01 -0.5074D-02 -0.5812D 00
0.7020D-02 0.5129D-02 -0.5032D 00 0.6796D-02 0.5250D-02 -0.3578D 00 0.6357D-02
0.5374D-02 -0.2224D 00 0.5870D-02 0.5409D-02 -0.9816D-01 0.5337D-02 0.5624D-02
0.1416D-01 0.4758D-02 0.8183D-02 -0.2178D 00 -0.6122D-02 0.5697D-02 -0.2727D 00
0.3309D-02 0.5662D-02 -0.1617D 00 0.4651D-02 -0.5109D-01 0.5630D-02 -0.9381D-01
0.4004D-02 0.5639D-02 0.1465D 00 0.1505D-02 0.5645D-02 0.1694D 00 0.1065D-02
0.5659D-02 0.1699D 00 -0.9226D-03 0.5661D-02 0.1258D 00 -0.1554D-02 0.5656D-02
0.6705D-01 -0.1781D-02 0.5645D-02 0.3683D-02 -0.1852D-02 0.2171D-02 -0.1682D 00

0.20000-01 ACCELERATIONS

0.8606D-02 -0.1698D 00 0.3507D-02 -0.2501D-01 -0.1174D 03 -0.7353D 00 0.2350D-01
-0.1681D 03 -0.5592D 01 0.1960D-01 -0.2187D 03 -0.5606D 01 0.6485D 00 -0.2009D 00
0.1818D 02 -0.4202D 02 -0.4727D-01 -0.2290D 03 0.4269D 01 -0.5079D-01 -0.2011D 03
0.5364D 01 -0.1300D-00 -0.1646D 03 -0.1679D-01 -0.1738D-00 -0.1383D-03 -0.1492D-01
-0.1404D 03 -0.1823D 03 0.2336D 01 0.1408D 03 -0.1823D 03 0.2336D 01 -0.2176D 00
-0.1000D 03 -0.2346D 00 -0.7072D-01 -0.9167D 02 0.3878D 00 0.7274D-01 -0.7649D 02
0.9224D 00 0.6905D-01 -0.6588D 02 0.9473D 00 0.5164D-01 -0.4431D 02 0.9729D 00
0.3000D-01 -0.2231D-02 0.9916D-00 -0.5036D-02 -0.1400D-01 -0.9988D-00 -0.2142D-01
0.2229D 02 0.9945D 00 0.4212D 00 -0.4114D 02 -0.8412D 00 -0.2598D-01 -0.4805D 02
0.8825D 00 -0.2974D-01 -0.1572D 02 0.1001D 01 0.4732D 02 -0.2146D-01 0.4004D 02
0.8972D 00 -0.2117D-01 0.5537D 02 0.5548D 00 -0.2048D-01 0.6640D 02 0.4907D 00
0.2911D-02 -0.7688D-02 -0.1240D-00 -0.2160D-01 -0.7876D-02 -0.8210D-02 0.3548D-01
0.7742D 02 -0.6307D-01 0.4265D-01 0.7491D 02 -0.7619D-01 0.4288D 00 -0.1527D 02

0.40000-01 DISPLACEMENTS

0.4263D-05 0.2026D-03 0.1925D-05 0.8133D-04 -0.1317D 00 0.2653D-03 0.8451D-04
-0.1254D-00 -0.4163D-03 0.8466D-04 -0.1223D-00 -0.4163D-03 0.8134D-04 0.8552D-04
-0.6549D-02 -0.3363D-01 0.8575D-04 -0.1217D 00 0.2388D-02 0.9587D-04 -0.1074D 00
0.2343D-02 0.8528D-04 -0.9661D-01 0.1346D-02 0.8570D-04 -0.6232D-01 0.1150D-02
-0.5785D-01 -0.8479D-01 0.1629D-02 0.5805D-01 -0.8476D-01 0.1629D-02 0.8622D-04
-0.4617D-01 -0.3564D-03 0.8653D-04 -0.3972D-01 -0.3509D-03 -0.8682D-04 -0.3351D-01
0.3182D-03 0.8684D-04 -0.2999D-01 0.3157D-03 0.8687D-04 -0.2290D-01 0.3089D-03
0.8691D-04 -0.1610D-01 0.2999D-03 0.8694D-04 -0.9548D-02 0.2857D-03 0.8696D-04
-0.3323D-02 0.2696D-03 0.8332D-04 -0.1956D-01 -0.2253D-03 0.8692D-04 -0.2145D-01
-0.2283D-03 -0.8697D-04 -0.1339D-01 -0.2668D-03 -0.1984D-00 -0.8699D-04 -0.1579D-02
0.2926D-03 0.8703D-04 0.6392D-02 0.1940D-03 0.8706D-04 0.1047D-01 0.1832D-03
0.8741D-04 0.1586D-01 0.1283D-03 0.8767D-04 0.2000D-01 0.1098D-03 0.8789D-04
0.2309D-01 0.1026D-03 0.8808D-04 0.2724D-01 0.1010D-03 0.1283D-03 0.1636D-01

0.40000-01 VELOCITIES

0.3345D-03 0.3612D-01 0.1124D-03 0.5113D-03 -0.4949D 01 -0.5881D-02 -0.2794D-03
-0.5082D 01 -0.9015D-02 -0.3273D-03 -0.5148D 01 -0.9017D-02 0.4668D-03 -0.5873D-03
0.1465D 00 -0.7405D 00 -0.7754D-03 -0.5159D 01 0.1228D 00 -0.8367D-03 -0.4420D 01
-0.1235D-00 -0.7911D-03 -0.3555D 01 -0.2960D-01 -0.9303D-03 -0.3131D 01 -0.2090D-01
-0.3111D 01 -0.3770D 01 0.4697D-01 0.3109D 01 -0.3770D 01 0.4697D-01 -0.1125D-02
-0.2983D 01 0.2731D-02 -0.1163D-02 -0.2813D 01 0.1056D-01 -0.1201D-02 -0.2556D 01
0.1723D-01 -0.1207D-02 -0.2356D 01 0.1751D-01 -0.1225D-02 -0.1966D 01 0.1781D-01
-0.1244D-02 -0.1569D-01 -0.1796D-01 -0.1263D-02 -0.1171D-01 0.1796D-01 -0.1282D-02
-0.7746D 00 0.1781D-01 0.3317D-04 -0.1981D 01 -0.5718D-02 -0.1273D-02 -0.2038D 01
0.1599D-01 -0.1288D-02 -0.1446D 01 0.1769D-01 -0.3762D 01 -0.1283D-02 -0.4295D 00
0.1826D-01 -0.1285D-02 -0.2792D-02 0.1966D-01 -0.1984D-02 0.4393D 00 -0.1986D-01
-0.1255D-02 -0.1152D 01 -0.2085D-01 -0.1223D-02 -0.1965D 01 -0.2113D-01 -0.1196D-02
0.2629D 01 0.2123D-01 -0.1164D-02 0.3367D 01 0.2124D-01 0.6470D-02 0.3105D 01

0.40000-01 ACCELERATIONS

0.1575D-01 0.3017D 01 0.2974D-02 -0.5012D-01 -0.5416D 02 0.5668D 00 -0.1187D 01
-0.1205D-02 -0.3862D-01 -0.1206D-01 0.2293D-02 -0.3956D 01 -0.1382D 00 -0.1837D 01
-0.1429D 02 0.3992D 02 -0.1130D 01 0.3421D 02 -0.1002D 01 -0.1101D 01 0.2649D 02
-0.1957D 01 -0.1104D 01 0.6048D 01 -0.1651D 01 -0.7475D 00 -0.2523D 02 -0.1456D 01
0.4865D 02 0.1099D 02 -0.2484D 01 -0.5010D 02 0.1099D 02 -0.2484D 01 -0.2301D 00
-0.5014D 02 -0.2873D 00 -0.1970D 00 -0.5911D 02 -0.4113D 00 -0.1559D 00 -0.8655D 02
-0.3033D 00 -0.1528D 00 -0.9164D 02 -0.3534D 00 -0.1457D 00 -0.1012D 03 -0.3152D 00

```
 0.21500 00 -0.13270 00 -0.10240 01  0.19650 01 -0.14220 00 -0.75410 02  0.12240 01
-0.11500 00 -0.17050 02  0.20750 01 -0.11010 00  0.50990 02  0.23710 01 -0.10740 00
 0.14600 03  0.24860 01 -0.10710 00  0.23350 03  0.25150 01 -0.49440 00  0.29220 03

0.60000D-01 DISPLACEMENTS
 0.13600-04  0.10910-02  0.46520-05  0.25540-04 -0.21680 00  0.30940-03  0.27800-04
-0.21260 00  0.39210-03  0.27910-04 -0.20990 00  0.39220-03  0.25560-04  0.28310-04
-0.77140-02 -0.40330-01  0.28710-04 -0.20960 00  0.35700-02  0.28800-04 -0.18820 00
-0.35450-02 -0.28180-04 -0.15920 00 -0.16140-02 -0.30310-04 -0.13140 00 -0.13390-02
-0.88310-01 -0.15960 00  0.20700-02  0.88370-01 -0.15960 00  0.20700-02  0.33080-04
-0.11420 00  0.44940-03  0.34840-04 -0.10770 00  0.52900-03  0.36600-04 -0.10030 00
 0.60090-03  0.36710-04 -0.93690-01  0.60360-03  0.36950-04 -0.80650-01  0.60790-03
-0.37190-04 -0.67530-01  0.61150-03 -0.37420-04 -0.54340-01  0.61440-03 -0.37650-04
-0.41100-01  0.61660-03  0.38920-04 -0.87450-01  0.10330-03  0.37730-04 -0.87110-01
 0.59700-03  0.37710-04 -0.64470-01  0.61520-03 -0.25460 00  0.37690-04 -0.29130-01
 0.63600-03  0.37770-04 -0.14110-01  0.70030-03  0.37820-04  0.16630-02  0.71160-03
-0.38380-04 -0.27550-01 -0.76820-03 -0.38790-04 -0.54730-01 -0.78700-03 -0.39130-04
 0.82360-01  0.79430-03  0.39410-04  0.11010 00  0.79620-03  0.96390-04  0.11010 00

0.60000D-01 VELOCITIES
 0.54190-03  0.21390-01  0.15380-03 -0.61680-02 -0.30760 01  0.25210-02 -0.61460-02
-0.34140-01 -0.47820-02 -0.61340-02 -0.31720-01 -0.47850-02 -0.61680-02 -0.62640-02
-0.69730-01  0.29750 00 -0.59800-02 -0.31990 01 -0.36760-01 -0.59550-02 -0.34160 01
-0.34670-01 -0.60460-02 -0.36850 01 -0.12160-01 -0.59200-02 -0.38930 01 -0.90610-02
 0.85130 00 -0.36640 01 -0.15660-01 -0.86230 00 -0.36640 01 -0.15680-01 -0.57450-02
-0.40060-01 -0.28020-02 -0.52870-02 -0.40610-01 -0.72170-02 -0.48300-02 -0.40540 01
 0.13090-01 -0.48000-02 -0.39160 01  0.13350-01 -0.47310-02 -0.36390 01  0.14010-01
-0.46630-02 -0.33460 01  0.14840-01 -0.45950-02 -0.30320 01  0.15830-01 -0.45280-02
-0.36980 01  0.16990-01 -0.37240-02 -0.44170 01  0.51630-01 -0.44960-02 -0.41040 01
-0.19210-01 -0.45080-02 -0.73500 01 -0.17170-01 -0.17600-01 -0.45230-02 -0.23470 01
 0.16900-01 -0.45150-02 -0.18370 01  0.25290-01 -0.45100-02 -0.12510 01  0.26420-01
-0.44910-02 -0.22670 00  0.31940-01 -0.44950-02  0.92990 00  0.33760-01 -0.44900-02
 0.21150 01  0.34440-01 -0.45060-02  0.33220 01  0.34590-01 -0.10030-01  0.40230 01

0.60000D-01 ACCELERATIONS
 0.13430-02 -0.53970 01  0.11080-02 -0.15070 00  0.20300 03 -0.12400 01 -0.63220 00
 0.16910 03 -0.21780 01 -0.64970 00  0.15150 03 -0.21770 01 -0.14510 00 -0.97380 00
 0.31140 02  0.94240 02 -0.75310 00  0.14710 03 -0.11140 02 -0.76180 00  0.81010 02
-0.10790-02 -0.79310-00 -0.45580-01 -0.38170-01 -0.65720-00 -0.72700-02 -0.27140-01
 0.26690 03 -0.24550 01 -0.59060 01 -0.26830 03 -0.24550 01 -0.59060 01 -0.47080 00
-0.82100 02  0.11820 00 -0.41670 00 -0.70800 02  0.20710 00 -0.36260 00 -0.59250 02
 0.16730 00 -0.35920 00 -0.56810 02  0.15960 00 -0.34760 00 -0.52180 02  0.13390 00
-0.33670-00 -0.46280-02 -0.91850-01 -0.32560-00 -0.45470-02 -0.34030-01 -0.31460 00
-0.44090 02 -0.39460-01 -0.13150 00 -0.45130 02  0.40990 01 -0.30880 00 -0.27300 02
-0.28990 00 -0.31140 00 -0.42020 02 -0.51800-01  0.10980 03 -0.31360 00 -0.46390 02
-0.16580 00 -0.31160 00 -0.55810 02 -0.60710 00 -0.31030 00 -0.70820 02 -0.69050 00
-0.30000-00 -0.10440-03 -0.12110-01 -0.29370-00 -0.15010-03 -0.13990-01 -0.29020 00
-0.20050 03 -0.14780 01 -0.28950 00 -0.25260 03 -0.15000 01 -0.62850 00 -0.31120 03

0.80000D-01 DISPLACEMENTS
 0.22810-04  0.47940-03  0.78780-05 -0.95760-04 -0.24910 00  0.19970-03 -0.10610-03
-0.24560-00 -0.20870-03 -0.10660-03 -0.24430-00 -0.20870-03 -0.95650-04 -0.11250-03
-0.50660-02 -0.16370-01 -0.11090-03 -0.24430 00  0.10710-02 -0.11140-03 -0.23790 00
 0.10650-02 -0.11250-03 -0.22840 00  0.65020-03 -0.11370-03 -0.21720 00  0.59130-03
-0.26650-01 -0.22760 00  0.74540-03  0.26450-01 -0.22760 00  0.74540-03 -0.11510-03
-0.20600-00 -0.38580-03 -0.11950-03 -0.20040-00 -0.62670-03 -0.12190-03 -0.19010-00
 0.84870-03 -0.12210-03 -0.18060 00  0.85710-03 -0.12260-03 -0.16180 00  0.87020-03
-0.12310-03 -0.14200 00  0.88080-03 -0.12360-03 -0.12370 00  0.88880-03 -0.12410-03
-0.10440 00  0.89440-03 -0.13290-03 -0.17990 00  0.13670-02 -0.12430-03 -0.17240 00
 0.89440-03 -0.12420-03 -0.13220 00 -0.89330-03 -0.26750 00 -0.12410-03 -0.87040-01
 0.91810-03 -0.12420-03 -0.65550-01  0.99380-03 -0.12430-03 -0.43200-01  0.10070-02
-0.12470-03 -0.68190-02  0.10680-02 -0.12510-03  0.30730-01  0.10870-02 -0.12530-03
 0.68820-01  0.10940-02 -0.12550-03  0.10700 00  0.10950-02 -0.15140-03  0.11100 00

0.80000D-01 VELOCITIES
 0.28700-03 -0.64610-01  0.16620-03 -0.66450-02 -0.45530 00 -0.38470-02 -0.70250-02
-0.54350 00 -0.55190-02 -0.70460-02 -0.58470 00 -0.55190-02 -0.66340-02 -0.70680-02
 0.89500-01  0.17200 01 -0.72320-02 -0.59260 00 -0.18360 00 -0.72560-02 -0.16930 01
-0.18300 00 -0.71240-02 -0.31290 01 -0.69040-01 -0.72760-02 -0.43020 01 -0.53350-01
 0.45630 01 -0.30070 01 -0.96100-01 -0.45790 01 -0.30070 01 -0.96100-01 -0.74770-02
-0.48590 01 -0.51110-02 -0.76650-02 -0.48050 01  0.12180-02 -0.78530-02 -0.46810 01
 0.65960-02 -0.75650-02 -0.46020 01  0.67750-02 -0.78930-02 -0.44420 01  0.69880-02
-0.79200-02 -0.42780 01  0.70600-02 -0.79470-02 -0.41150 01  0.69910-02 -0.79730-02
-0.39540 01 -0.67840-02 -0.85010-02 -0.47220 01  0.38120-01 -0.79880-02 -0.45040 01
 0.75440-02 -0.79610-02 -0.42130 01  0.67650-02  0.50560 00 -0.79760-02 -0.38330 01
 0.61140-02 -0.79820-02 -0.37270 01  0.36950-02 -0.79860-02 -0.36530 01  0.32270-02
-0.80250-02 -0.35080 01  0.61820-03 -0.80530-02 -0.35840 01 -0.33830-03 -0.80750-02
-0.36040 01 -0.75970-03 -0.80940-02 -0.36230 01 -0.80930-03 -0.11670-01 -0.38750 01

0.80000D-01 ACCELERATIONS
-0.26020-01 -0.18470 00  0.25020-03 -0.76650 00  0.40170 02  0.10670 01 -0.55230 00
 0.57880 02  0.11290 01 -0.53030 00  0.64620 02 -0.11300 01 -0.76850 00 -0.50020 00
-0.27690 02  0.22570 01 -0.28040 00  0.64640 02 -0.20460 01 -0.24350 00  0.52350 02
-0.20520 01 -0.26360 00  0.39910 02 -0.10630 00 -0.15540 00  0.40810 02  0.18460-01
 0.51980 02  0.43680 02 -0.61300 00 -0.51910 02  0.43680 02 -0.61300 00 -0.23880-02
 0.52460 02 -0.50340 00 -0.18280 00  0.34500 02 -0.99280 00  0.37040 00  0.11350 02
-0.13660 01  0.38440 00 -0.43320 01 -0.13770 01  0.41780 00 -0.35200 02 -0.13820 01
 0.45110 00 -0.65980 02 -0.13720 01  0.48460 00 -0.96360 02 -0.13490 01  0.51860 00
-0.12600 03 -0.13130 01  0.97340 00 -0.91760 01 -0.59500 01  0.53500 00 -0.37370 02
-0.11100 01  0.52860 00 -0.76580 02 -0.13040 01  0.11940 03  0.52100 00 -0.15050 03
-0.12660 01  0.52610 00 -0.17060 03 -0.10240 01  0.52500 00 -0.20010 03 -0.10610 01
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-0.24820 00  0.37190-04 -0.19900-03 -0.24940 00  0.37160-04 -0.19280-03 -0.20260-03
-0.34360-02  0.14420-01 -0.20140-03 -0.24870 00 -0.21480-02 -0.20170-03 -0.26160 00
-0.21200-02 -0.20250-03 -0.27720 00 -0.58490-03 -0.20360-03 -0.28680 00 -0.38600-03
 0.52750-01 -0.27440 00 -0.91480-03 -0.53150-01 -0.27440 00 -0.91480-03 -0.20500-03
-0.26910 00  0.22400-03 -0.20660-03 -0.28460 00  0.44570-03 -0.20830-03 -0.27750 00
 0.66130-03 -0.20940-03 -0.27010 00  0.66990-03 -0.20870-03 -0.25550 00  0.68450-03
-0.20890-03 -0.24060 00  0.69800-03 -0.29910-03 -0.22540 00 -0.71040-03 -0.20940-03
-0.21000 00  0.72180-03 -0.21630-03 -0.27140 00  0.99600-03 -0.20950-03 -0.26570 00
 0.73600-03 -0.20940-03 -0.23750 00  0.72230-03 -0.23500 00 -0.20940-03 -0.19590 00
 0.74640-03 -0.20940-03 -0.17810 00  0.93500-03 -0.20950-03 -0.15920 00  0.84990-03
-0.21000-03 -0.12820-00 -0.92160-03 -0.21040-03 -0.95560-01 -0.94430-03 -0.21070-03
-0.62430-01  0.95210-03 -0.21100-03 -0.29150-01  0.95320-03 -0.27060-03 -0.16570-01

0.10000 00 VELOCITIES

-0.48290-03 -0.12570-01  0.15510-03 -0.35400-03  0.47360 00 -0.15200-01 -0.10090-02
-0.14810 00 -0.21110-01 -0.10410-02 -0.22820-02 -0.21110-01 -0.33100-03 -0.13020-02
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-0.98220-01 -0.12920-02 -0.14800 01 -0.54850-01 -0.12440-02 -0.24520 01 -0.47350-01
 0.24330 01 -0.15420 01 -0.65810-01 -0.24360 01 -0.15420 01 -0.65810-01 -0.11820-02
-0.31290 01 -0.18870-01 -0.13580-02 -0.34970 01 -0.22720-01 -0.15350-02 -0.39010 01
-0.24900-01 -0.15450-02 -0.41830 01 -0.24940-01 -0.15690-02 -0.47330 01 -0.24860-01
-0.15930-02 -0.52790 01 -0.24610-01 -0.16160-02 -0.58170 01 -0.24190-01 -0.16380-02
-0.63440 01 -0.23600-01 -0.16490-02 -0.42140 01 -0.58380-01 -0.16450-02 -0.45390 01
-0.23940-01 -0.16440-02 -0.54540 01 -0.23460-01 -0.27050 01 -0.16400-02 -0.67820 01
-0.22740-01 -0.16440-02 -0.72470 01 -0.19740-01 -0.16450-02 -0.76730 01 -0.19170-01
-0.16520-02 -0.82900 01 -0.16310-01 -0.16540-02 -0.38410 01 -0.15330-01 -0.16510-02
-0.93690 01 -0.14940-01 -0.16430-02 -0.90890 01 -0.14280-01  0.10770-02 -0.93050 01

0.10000 00 ACCELERATIONS

-0.44890-01  0.23610 01 -0.15340-02  0.46040 00 -0.50210 02 -0.18770 01  0.26020 00
 0.19360 02 -0.18660 01  0.24980 00  0.85290 01 -0.18660 01  0.46470 00  0.24050 00
 0.47570 02 -0.93250 01  0.16130 00  0.89380 01  0.86870 01  0.14990 00  0.60990 02
-0.86520-01  0.22360-00 -0.11270-03 -0.38740-00 -0.25610 00 -0.10900-03 -0.21760-00
-0.21890 03  0.85160 02  0.15220 01  0.21870 03 -0.85150 02  0.15220 01  0.30160 00
 0.94430 02 -0.13660 01  0.25310 00  0.79710 02 -0.12940 01  0.20430 00  0.65740 02
-0.12380 01  0.20090 00  0.52170 02 -0.12370 01  0.19300 00  0.25760 02 -0.12360 01
-0.18510-00 -0.66520-00 -0.12390-01 -0.17730-00 -0.27110-02 -0.12350-01 -0.16980-00
-0.53570 02 -0.12350 01  0.76070 00  0.45020 02 -0.16140 01  0.17480 00  0.37080 02
-0.11700 01  0.16820 00 -0.68190 01 -0.12310 01  0.10140 03  0.16790 00 -0.77480 02
-0.12750 01  0.16400 00 -0.10760 03 -0.14130 01  0.16180 00 -0.13940 03 -0.14380 01
-0.14570-00 -0.19150-03 -0.15420-01 -0.13620-00 -0.24600-03 -0.15730-01 -0.13110-00
-0.30110 03 -0.15830 01  0.13020 00 -0.35640 03 -0.15820 01  0.67870 00 -0.38350 03

0.12000 00 DISPLACEMENTS

 0.33960-05 -0.43010-03  0.13800-04 -0.13700-03 -0.23570 00 -0.29970-03 -0.14570-03
-0.24330-00 -0.51330-03 -0.14610-03 -0.24720-00 -0.51340-03 -0.13700-03 -0.15100-03
 0.73590-02  0.36790-01 -0.14950-03 -0.24810 00 -0.26780-02 -0.15000-03 -0.26400 00
-0.26140-02 -0.15100-03 -0.28720 00 -0.14770-02 -0.15370-03 -0.31390 00 -0.12450-02
 0.64470-01 -0.28920 00 -0.18030-02 -0.64770-01 -0.28920 00 -0.18030-02 -0.15710-03
-0.33090-00 -0.32190-00 -0.16120-03 -0.33510-00 -0.18800-03 -0.16520-03 -0.33760 00
-0.39740-04 -0.16550-03 -0.33810 00 -0.33140-04 -0.16610-03 -0.33880 00 -0.20310-04
-0.16660-03 -0.33920 00 -0.62470-05 -0.16720-03 -0.33930 00  0.89920-05 -0.16780-03
-0.33960 00  0.25340-04 -0.17770-03 -0.34330 00  0.41110-04 -0.16810-03 -0.34260 00
-0.56660-04 -0.16790-03 -0.34010-00 -0.28150-04 -0.16240-00 -0.16780-03 -0.33820-00
 0.48470-04 -0.16790-03 -0.33600 00  0.12530-03 -0.16790-03 -0.33290 00  0.13890-03
-0.16830-03 -0.32590 00  0.20470-02 -0.16850-03 -0.31930 00  0.22610-03 -0.16860-03
-0.31130 00  0.23380-03 -0.16860-03 -0.30310 00  0.22520-03 -0.16990-03 -0.29000 00

0.12000 00 VELOCITIES

-0.12690-02 -0.49860-02  0.10120-03  0.53060-02  0.60260 00 -0.15720-01  0.65520-02
 0.33720 00 -0.22160-01  0.66120-02  0.17730 00 -0.22160-01  0.52740-02  0.71000-02
 0.39760 00  0.66860 00  0.70960-02  0.15190 00  0.18310-01  0.71540-02  0.26550 00
-0.20210-01  0.70660-02 -0.24430 00 -0.26460-01 -0.69620-02 -0.30370 00 -0.28390-01
-0.53410 00 -0.26870-01 -0.20340-01  0.54950 00 -0.26870-01 -0.20340-01  0.69210-02
-0.85120 00 -0.24940-01  0.69710-02 -0.12830 01 -0.35050-01  0.71210-02 -0.18310 01
-0.44250-01  0.71310-02 -0.23240 01 -0.44590-01  0.71520-02 -0.32960 01 -0.45120-01
-0.71730-02 -0.42770-01 -0.45530-01 -0.71940-02 -0.52650-01 -0.45830-01 -0.72140-02
-0.62580 01 -0.46020-01  0.71360-02 -0.27370 01 -0.18720-01  0.72190-02 -0.28210 01
-0.44640-01  0.72200-02 -0.45140 01 -0.45930-01  0.44440 01  0.72160-02 -0.71510 01
-0.47310-01  0.72210-02 -0.82610 01 -0.51490-01  0.72230-02 -0.94200 01 -0.52200-01
-0.72460-02 -0.11310-02 -0.55730-01 -0.72500-02 -0.13280-02 -0.56870-01  0.72550-02
-0.15270 02 -0.57280-01  0.72550-02 -0.17270 02 -0.57340-01  0.64810-02 -0.17850 02

0.12000 00 ACCELERATIONS

-0.27810-01 -0.55710 00 -0.41370-02  0.19240 00  0.14230 02  0.10660 01  0.12570 00
 0.33680-02 -0.12340-01  0.12420 00 -0.41640-02 -0.12340-01 -0.19610 00 -0.14150-00
-0.26520 02 -0.55700 02  0.12380 00  0.42210 02  0.77630 00  0.12490 00  0.46780 02
 0.72960 00  0.18090 00  0.63240 02  0.22330 01  0.25760 00  0.10790 03  0.21110 01
-0.16290 02  0.77620 02  0.23270 01  0.16700 02  0.77620 02  0.23270 01  0.38250 00
-0.14110 03 -0.11440 01 -0.46640 00 -0.14930 03 -0.15770 00 -0.55010 00 -0.14370 03
-0.82220 00  0.55550 00  0.13420 03 -0.96170 00  0.55780 00  0.11450 03 -0.92830 00
 0.57990 00  0.93400 02 -0.98860 00  0.59200 00  0.71030 02 -0.10420 01  0.60390 00
 0.47580 02 -0.10990 01  0.10620 01  0.10030 03  0.31800 01  0.61350 00  0.12740 03
-0.10150-01 -0.60770-00 -0.68970-02 -0.10490-01 -0.70070-02 -0.60400-00 -0.24890-02
-0.12160 01  0.60420 00 -0.84150 01 -0.16170 01  0.60420 00 -0.46150 02 -0.16820 01
 0.60110 00 -0.11000 03 -0.19550 01  0.59820 00 -0.17980 03 -0.20230 01  0.59550 00
-0.25130 03 -0.20580 01  0.59300 00 -0.32320 03 -0.20620 01  0.10670-01 -0.31580 03

0.14000 00 DISPLACEMENTS

-0.25230-04 -0.66000-03  0.14770-04 -0.13420-04 -0.19820 00 -0.58810-03  0.14090-04
-0.21240 00 -0.90830-03  0.14110-04 -0.21920 00 -0.90830-03  0.12990-04  0.14570-04
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-0.32000 00 -0.7764D-03  0.20340-04 -0.33250 00 -0.91470-03  0.21770-04 -0.3465D 00
-0.10240-02  0.2486D-04 -0.35790 00 -0.10270-02  0.22060-04 -0.38020 00 -0.10300-02
-0.22250-04 -0.40260 00 -0.10310-02 -0.22440-04 -0.42490 00 -0.10280-02  0.22620-04
-0.44720 00 -0.10220-02  0.25640-04 -0.37170 00 -0.19080-03  0.22720-04 -0.37200 00
-0.96890-03  0.22680-04 -0.40850 00 -0.10180-02 -0.62260-01  0.22630-04 -0.46680 00
-0.10390-02  0.22640-04 -0.49070 00 -0.10250-02  0.22640-04 -0.51520 00 -0.11040-02
-0.22560-04 -0.55460 00 -0.11490-02 -0.22480-04 -0.59500 00 -0.11640-02 -0.22390-04
-0.63570 00 -0.11690-02  0.22290-04 -0.67660 00 -0.11700-02 -0.34590-05 -0.6773D 00

0.14000 00 VELOCITIES

-0.14670-02 -0.1542D-01 -0.1533D-04  0.8244D-02  0.3918D 01 -0.1992D-01  0.8341D-02
-0.3554D-01 -0.2237D-01 -0.8345D-02 -0.3441D-01 -0.2237D-01 -0.8251D-02 -0.8321D-02
 0.5067D 00  0.7205D 00  0.8375D-02  0.3402D 01 -0.3629D-01  0.8378D-02  0.3106D 01
-0.3564D-01  0.8313D-02  0.2845D 01 -0.2950D-01  0.8314D-02  0.2357D 01 -0.2798D-01
 0.8901D 00  0.2762D 01 -0.2932D-01 -0.8730D 00  0.2762D 01 -0.2932D-01  0.8313D-02
-0.1887D 01 -0.2765D-01 -0.8202D-02 -0.1454D 01 -0.3945D-01 -0.8090D-02 -0.8809D 00
-0.5065D-01  0.8083D-02  0.3169D 00 -0.5131D-01  0.8066D-02 -0.7949D 00 -0.5209D-01
 0.8049D-02 -0.1923D 01 -0.5282D-01  0.8031D-02 -0.3966D 01 -0.5349D-01  0.8014D-02
-0.4222D 01 -0.5412D-01  0.7426D-02  0.5676D-01 -0.3196D-01  0.8001D-02 -0.1165D 00
-0.5372D-01  0.8009D-02 -0.2167D-01 -0.5409D-01 -0.5429D-01 -0.8015D-02 -0.5279D-01
-0.5627D-01  0.8015D-02 -0.5626D 01 -0.6338D-01  0.8016D-02 -0.8061D 01 -0.6464D-01
 0.8031D-02 -0.1043D 02 -0.7090D-01  0.8045D-02 -0.1295D 02 -0.7294D-01  0.8058D-02
-0.1551D 02 -0.7370D-01  0.8072D-02 -0.1809D 02 -0.7384D-01  0.1150D-01 -0.1891D 02

0.14000 00 ACCELERATIONS

 0.1035D-01  0.3370D 00 -0.7026D-02 -0.5401D 00  0.2549D 03 -0.4039D 00 -0.3732D 00
 0.2542D 03  0.1342D 00 -0.3650D 00  0.2572D 03  0.1343D 00 -0.5533D 00 -0.2961D 00
 0.9571D 01  0.6407D 02 -0.2982D 00  0.2591D 03 -0.3834D 01 -0.2902D 00  0.2358D 03
-0.3961D-01 -0.3025D-00 -0.1991D-03 -0.2556D-01 -0.3701D-00  0.1525D-03 -0.2199D 01
 0.9916D 02  0.1946D 03 -0.3276D 01 -0.9956D 02  0.1946D 03 -0.3276D 01 -0.4583D 00
 0.1258D 03 -0.9953D 00 -0.3747D 00  0.1226D 03 -0.4145D 00 -0.2908D 00  0.1260D 03
 0.1028D 00 -0.2854D 00  0.1276D 03  0.1220D 00 -0.2732D 00  0.1315D 03  0.1490D 00
-0.2611D-00 -0.1358D-03 -0.1658D-00 -0.2492D-00 -0.1404D-03  0.1725D-00 -0.2375D-00
 0.1450D 03  0.1690D 00 -0.3196D 00  0.1555D 03 -0.4638D 01 -0.2350D 00  0.1312D 03
 0.1772D 00 -0.2345D 00  0.1386D 03  0.1636D 00  0.2098D 02 -0.2359D 00  0.1486D 03
 0.1973D 00 -0.2323D 00  0.1543D 03  0.2916D 00 -0.2301D 00  0.1611D 03  0.3087D 00
-0.2122D-00 -0.1739D-03 -0.4179D-00 -0.2002D-00 -0.1892D-03 -0.4584D-00 -0.1921D-00
 0.2056D 03  0.4761D 00 -0.1875D 00  0.2823D 03  0.4799D 00  0.2752D 00  0.2798D 03

0.16000 00 DISPLACEMENTS

-0.5030D-04 -0.8949D-03  0.1307D-04  0.1219D-03 -0.8823D-01 -0.8584D-03  0.1307D-03
-0.1001D-00 -0.1141D-02 -0.1311D-03 -0.1081D-00 -0.1141D-02 -0.1219D-03 -0.1357D-03
 0.2158D-01  0.6840D-01  0.1345D-03 -0.1002D 00 -0.4070D-02  0.1350D-03 -0.1335D 00
-0.3986D-02  0.1356D-03 -0.1709D 00 -0.2730D-02  0.1343D-03 -0.2200D 00 -0.2447D-02
 0.9851D-01 -0.1770D 00 -0.3111D-02 -0.9823D-01 -0.1770D 00 -0.3111D-02  0.1338D-03
-0.2572D-00 -0.1254D-02 -0.1346D-03 -0.2782D-00 -0.1629D-02 -0.1341D-03 -0.3033D-00
-0.1959D-02  0.1341D-03 -0.3282D 00 -0.1970D-02  0.1341D-03 -0.3690D 00 -0.1987D-02
 0.1341D-03 -0.4112D 00 -0.1999D-02  0.1341D-03 -0.4544D 00 -0.2006D-02  0.1342D-03
-0.4986D 00 -0.2007D-02  0.1327D-03 -0.3321D 00 -0.1658D-02  0.1341D-03 -0.3476D 00
-0.1961D-03 -0.1342D-03 -0.4220D 00 -0.2002D-02 -0.4856D-01  0.1342D-03 -0.5367D 00
-0.2050D-02  0.1342D-03 -0.5842D 00 -0.2187D-02  0.1342D-03 -0.6333D 00 -0.2210D-02
 0.1346D-03 -0.7125D 00 -0.2322D-02  0.1352D-03 -0.7943D 00 -0.2357D-02  0.1355D-03
-0.8769D 00 -0.2370D-02  0.1359D-03 -0.9597D 00 -0.2372D-02 -0.2044D-03 -0.9671D 00

0.16000 00 VELOCITIES

-0.9489D-03 -0.1206D-01 -0.1505D-03  0.3893D-02  0.6788D 01 -0.1676D-02  0.4406D-02
 0.6807D 01  0.2467D-02  0.4431D-02  0.6838D 01  0.2467D-02  0.3899D-02  0.4777D-02
 0.4530D-01  0.1078D 01  0.4671D-02  0.6853D 01 -0.8933D-01  0.4656D-02  0.6315D 01
-0.9044D-01 -0.4771D-02 -0.5567D-01 -0.4286D-01 -0.4716D-02  0.4827D-01 -0.3607D-01
 0.2266D 01  0.5587D 01 -0.5479D-01 -0.2257D 01  0.5587D 01 -0.5479D-01  0.4642D-02
 0.4336D 01 -0.1266D-01  0.4471D-02  0.3986D 01 -0.2041D-01  0.4300D-02  0.3468D 01
-0.3866D-01  0.4283D-02  0.3032D 01 -0.3910D-01  0.4362D-02  0.2168D 01 -0.3973D-01
 0.4236D-02  0.1294D 01 -0.4015D-01 -0.4216D-02 -0.4126D 00 -0.4036D-01 -0.4184D-02
-0.4703D 00 -0.4037D-01  0.3433D-02  0.3133D 01 -0.9673D-01  0.4166D-02  0.2605D 01
-0.4059D-01  0.4176D-02  0.1059D 01 -0.4029D-01  0.5489D 01  0.4183D-02 -0.1246D 01
-0.4084D-01  0.4180D-02 -0.2179D 01 -0.4214D-01  0.4179D-02 -0.3116D 01 -0.4232D-01
 0.4171D-02 -0.4607D 01 -0.4296D-01 -0.4167D-02 -0.6110D-01 -0.4310D-01  0.4167D-02
-0.7616D 01 -0.4312D-01  0.4169D-02 -0.9121D 01 -0.4310D-01  0.5306D-02 -0.8990D 01

0.16000 00 ACCELERATIONS

 0.3793D-01 -0.7307D 00 -0.6073D-02 -0.5652D-01  0.1476D 02  0.8739D 00 -0.1752D 00
 0.2318D-02 -0.2407D 00 -0.1809D 00  0.2229D 02 -0.2401D 00 -0.4940D-01 -0.2227D 00
-0.2192D 02 -0.5201D 02 -0.2266D 00  0.2007D 02 -0.6884D 00 -0.2321D 00  0.1629D 02
-0.5179D 00 -0.2172D 00  0.2442D 02  0.2067D 01 -0.1740D 00  0.6687D 02  0.2063D 01
 0.1376D 02  0.4006D 02  0.2101D 01 -0.1437D 02  0.4006D 02  0.2101D 01 -0.1174D 00
-0.1011D-03 -0.1473D-01 -0.9370D-01  0.1166D-03 -0.1410D-01 -0.4998D-01  0.1314D-03
 0.1368D 01 -0.4769D-01  0.1463D 03  0.1366D 01 -0.4842D-01  0.1752D 03  0.1367D 01
-0.3713D-01  0.2041D 03  0.1372D 01 -0.3106D-01 -0.2331D-03  0.1382D 01 -0.2660D-01
 0.2624D 03  0.1396D 01  0.1758D 00  0.1421D 03  0.9463D 00 -0.2232D-01  0.1495D 03
-0.1520D-01 -0.2490D-01 -0.2092D-03  0.1400D-01 -0.2092D-02 -0.2671D-01  0.2889D-03
 0.1396D 01 -0.2701D-01  0.3200D 03  0.1408D 01 -0.2727D-01  0.3512D 03  0.1410D 01
-0.3194D-01  0.4010D 03  0.1440D 01 -0.7583D-01  0.4515D 03  0.1454D 01 -0.3941D-01
 0.6024D 03  0.1460D 01 -0.4276D-01  0.5535D 03  0.1460D 01 -0.7919D 00  0.6079D 03

0.18000 00 DISPLACEMENTS

-0.6076D-04 -0.1370D-02  0.8952D-05  0.1692D-03  0.4265D-01 -0.8808D-03  0.1825D-03
 0.2511D-01 -0.1104D-02  0.1631D-03 -0.1757D-01 -0.1104D-02  0.1692D-03  0.1904D-03
 0.2219D-01  0.7739D-01  0.1884D-03  0.1669D-01 -0.5356D-02  0.1691D-03 -0.1530D-01
-0.5288D-02  0.1903D-03 -0.6197D-01 -0.3089D-02  0.1903D-03 -0.1162D 00 -0.2726D-02
 0.1314D 00 -0.6956D-01 -0.7833D-02 -0.1311D 00 -0.6558D-01 -0.3538D-02  0.1859D-03
-0.1604D 00 -0.1379D-02 -0.1006D-03 -0.1307D 00 -0.1498D-02  0.1923D-03 -0.2101D 00
```

```
-0.44630 00 -0.24470-02  0.19470-03 -0.24750 00 -0.26730-02  0.19330-03 -0.26170 00
-0.24150-02  0.19330-03 -0.35350 00 -0.24420-02  0.15100 00  0.19320-03 -0.49360 00
-0.25040-02  0.19320-03 -0.55180 00 -0.26870-02  0.19330-03 -0.61210 00 -0.27180-02
-0.19340-03 -0.70980-00 -0.28660-02 -0.1934D-03 -0.81060-00 -0.29130-02  0.1935D-03
-0.91260 00 -0.29300-02  0.19350-03 -0.10150 01 -0.29330-02  0.18820-03 -0.10230 01

0.18000 00 VELOCITIES

-0.63250-04 -0.29370-01 -0.25620-03  0.19330-02  0.52780 01 -0.26510-02  0.1699D-02
 0.52660 01 -0.25590-03 -0.16920-02 -0.52810-01 -0.25820-03 -0.18350-02 -0.1495D-02
 0.68610-01 -0.16360 00  0.16340-02  0.52930 01 -0.74540-02  0.16260-02  0.52460 01
-0.83720-02  0.14920-02  0.52400 01  0.66040-02  0.17590-02  0.53980 01  0.6360D-02
 0.22580 00  0.53170 01  0.50890-02 -0.22200 00  0.53170 01  0.50890-02  0.1139D-02
 0.55320 01 -0.11780-02  0.92350-03  0.56320 01 -0.52040-03 -0.72000-03  0.5745D 01
 0.93320-03  0.70660-03  0.57620 01  0.89820-03  0.67600-03  0.57950 01  0.7067D-03
 0.64640-03  0.58220 01  0.34810-03  0.61560-03  0.58360 01 -0.17560-03  0.5856D-03
 0.58430 01 -0.86140-03 -0.44480-02  0.59170 01  0.13640-01  0.56370-03  0.5972D 01
-0.19840-02 -0.57680-03  0.58820 01 -0.98700-03 -0.46150 01  0.58310-03  0.5812D 01
-0.19450-02  0.57770-03  0.57160 01 -0.56460-02  0.57410-03  0.55790 01 -0.6323D-02
 0.63710-03  0.52970 01 -0.96870-02  0.50920-03  0.49380 01 -0.10820-01  0.4859D-03
 0.45510 01 -0.11250-01  0.46600-03  0.41550 01 -0.11370-01 -0.36520-02  0.3909D 01

0.18000 00 ACCELERATIONS

 0.49050-01  0.96260 00 -0.46150-02 -0.43600-01 -0.13840 03  0.38000 00 -0.1211D 00
-0.12510 03  0.10930 01 -0.12520 00 -0.11600 03  0.10940 01 -0.38880-01 -0.1361D 00
-0.95380 01 -0.56700 02 -0.16070 00 -0.11350 03  0.84100 01 -0.16520 00 -0.6347D 02
 0.82210-01 -0.14190-00 -0.45560-01  0.22660-01 -0.14280-00 -0.28810-02  0.1740D 01
-0.20560 03 -0.14480 02  0.32140 01  0.20540 03 -0.14480 02  0.32140 01 -0.1445D 00
 0.45170 02  0.78670 00 -0.18670 00  0.67570 02  0.15310 01 -0.22890 00  0.9829D 02
 0.21700 01 -0.23150 00  0.12280 03  0.21920 01 -0.23740 00  0.17140 03  0.2221D 01
-0.24320-00 -0.22040-03 -0.22350-01 -0.24860-00 -0.26960-03 -0.2236D-01 -0.2545D-00
 0.31650 03  0.22240 01 -0.13520 00  0.10800 03 -0.61180 01 -0.25480 00  0.1435D 03
 0.23510 01 -0.25590 00  0.23430 03  0.22190 01 -0.65140 02 -0.25530 00  0.3607D 03
 0.22140 01 -0.25680 00  0.40930 03  0.21770 01 -0.25770 00  0.45730 03  0.2170D 01
-0.26590-00 -0.53280-03 -0.21540-01 -0.26670-00 -0.60800-03 -0.2151D-01 -0.2682D-00
 0.68310 03  0.21500 01 -0.26800 00  0.75810 03  0.21500 01  0.81340-01  0.7644D 03

0.20000 00 DISPLACEMENTS

-0.52170-04 -0.14160-02  0.29440-05  0.15930-03  0.12490 00 -0.74550-03  0.1716D-03
 0.10950-00 -0.94630-03 -0.17220-03 -0.10340-00 -0.54630-03 -0.1594D-03 -0.1790D-03
 0.18860-01  0.61630-01  0.17700-03  0.10260 00 -0.39510-02  0.17760-03  0.7906D-01
-0.38910-02  0.17890-03  0.43760-01 -0.24580-02  0.17870-03  0.11380-03 -0.2191D-02
 0.96510-01  0.39400-01 -0.28430-02 -0.96150-01  0.39400-01 -0.28430-02  0.1785D-03
-0.38760-01 -0.11500-02  0.17970-03 -0.58200-01 -0.15820-02 -0.18090-03 -0.7659D-01
-0.19760-02  0.16100-03 -0.98600-01 -0.19910-02  0.18120-03 -0.14190 00 -0.2014D-02
 0.18130-03 -0.16570 00 -0.20330-02  0.15150-03 -0.22970 00 -0.20460-02  0.1817D-03
-0.27410 00 -0.20560-02  0.18430-03 -0.11060 00 -0.16940-02  0.18170-03 -0.1194D 00
-0.20190-02  0.18170-03 -0.19610 00 -0.20520-02 -0.22780-00 -0.18170-03 -0.3139D 00
-0.21140-02  0.18170-03 -0.36250 00 -0.23020-02  0.18170-03 -0.41540 00 -0.2335D-02
 0.15170-03 -0.49980 00 -0.24930-02  0.18170-03 -0.59780 00 -0.25440-02  0.1816D-03
-0.67700 00 -0.25620-02  0.18160-03 -0.76660 00 -0.25660-02  0.16630-03 -0.7772D 00

0.20000 00 VELOCITIES

 0.90460-03  0.36380-01 -0.34350-03 -0.22650-02  0.32530 01  0.14940-01 -0.2077D-02
 0.34950 01  0.13930-01 -0.20680-02  0.35750 01  0.13940-01 -0.22640-02 -0.2083D-02
-0.37620 00 -0.14030 01 -0.19980-02  0.35710 01 -0.12680 00 -0.19900-02  0.4344D 01
-0.12900-00 -0.20670-02 -0.53790-01 -0.56610-01 -0.20650-02 -0.63150 01 -0.4715D-01
-0.32280 01  0.83320 01  0.71990-01  0.32240 01  0.53320 01  0.71990-01 -0.2037D-02
 0.69290 01  0.22110-01 -0.20030-02  0.72130 01  0.29210-01 -0.19700-02  0.7572D 01
 0.34530-01 -0.19680-02  0.79520 01  0.34800-01 -0.19640-02  0.86990 01  0.3531D-01
-0.19600-02 -0.94570 01  0.35860-01 -0.19560-02 -0.10230-02 -0.36450-01 -0.1952D-02
 0.11010 02  0.37080-01 -0.21810-02  0.77700 01  0.59870-01 -0.19540-02  0.8119D 01
 0.3844D-01 -0.19510-02  0.96010 01  0.37120-01  0.29570 01 -0.19500-02  0.1174D 02
 0.38550-01 -0.19450-02  0.12660 02  0.43460-01 -0.19420-02  0.13640 02  0.4433D-01
-0.19080-02  0.15270-02 -0.48660-01 -0.18840-02 -0.17000-02 -0.50130-01 -0.1863D-02
 0.18760 02  0.50680-01 -0.18450-02  0.20530 02  0.50800-01  0.17960-02  0.2098D 02

0.20000 00 ACCELERATIONS

 0.43870-01  0.38170 01 -0.42910-02 -0.21070 00 -0.30630 02  0.10820 00 -0.1881D 00
-0.32620 02 -0.30500-00 -0.18690-00 -0.35870-02 -0.30560-00 -0.2141D-00 -0.2025D 00
-0.28920 01 -0.49760 02 -0.17650 00 -0.37220 02  0.29840 01 -0.17570 00 -0.1970D 02
 0.29860 01 -0.20190 00  0.83850 01  0.19800 01 -0.21310 00  0.44960 02  0.1696D 01
-0.74530 02  0.11250 02  0.24740 01  0.74320 02  0.11250 02  0.24740 01 -0.2276D 00
-0.68620-02 -0.47830-00 -0.21610-00  0.74170 02 -0.86270-00 -0.2044D-00  0.8448D 02
 0.12760 01 -0.20370 00  0.98450 02  0.12970 01 -0.20200 00  0.12620 03  0.1334D 01
-0.20030 00  0.15470 03  0.13770 01 -0.19870 00  0.18430 03  0.14240 01 -0.1971D 00
 0.21490 03  0.14760 01 -0.27490 00  0.10880 03 -0.62680 00 -0.1976D 00  0.1047D 03
-0.14230-01 -0.19680-00  0.15870-03 -0.14760-01 -0.98280-02 -0.1966D-00  0.2449D 03
 0.16280 01 -0.19560 00  0.28800 03  0.21460 01 -0.19500 00  0.33750 03  0.2240D 01
-0.18900 00  0.42480 03  0.27360 01 -0.18480 00  0.52350 03  0.29070 01 -0.1817D 00
 0.62540 03  0.29750 01 -0.17950 00  0.73060 03  0.29910 01  0.16220 00  0.8049D 03

0.22000 00 DISPLACEMENTS

-0.26570-04 -0.37670-03 -0.47380-05  0.83110-04  0.18930 00 -0.47270-03  0.8577D-04
 0.18020 00 -0.61370-03  0.85000-04  0.17590 00 -0.61370-03  0.83140-04  0.8738D-04
 0.11910-01  0.29260-01  0.86950-04  0.17540 00 -0.13510-02  0.87080-04  0.1674D 00
-0.13050-02 -0.87370-04 -0.15370-00 -0.11670-02 -0.87940-04 -0.13240-00 -0.1087D-02
 0.32140-01  0.14980 00 -0.12450-02 -0.31970-01  0.14980 00 -0.12450-02  0.8968D-04
 0.11400 00 -0.66480-03  0.89650-04  0.10310 00 -0.86110-03  0.90620-04  0.8941D-01
-0.10280-02  0.90680-04  0.77920-01 -0.10740-02  0.90820-04  0.55370-01 -0.1041D-02
-0.99940-04 -0.32700-01 -0.10450-02 -0.61100-04 -0.99950-02 -0.10450-02  0.9123D-04
-0.12670-01 -0.10420-02  0.93980-04  0.69500-01 -0.71210-03  0.91300-04  0.6603D-01
-0.10100-02  0.91260-04  0.26700-01 -0.10350-02  0.91560-04 -0.32490-01
```

-0.20170 00 -0.11600-02 0.93080-04 -0.24220 00 -0.11600-02 0.16370-03 -0.24250 00

0.22000 00 VELOCITIES

0.15600-02 0.45890-01 -0.42010-03 -0.47940-02 0.34610 01 0.16900-01 -0.55270-02
-0.38200-01 -0.24060-01 -0.55630-02 0.39940-01 -0.24060-01 -0.47860-02 -0.59610-02
-0.42680 00 -0.16180 01 -0.58580-02 0.40210 01 0.10830 00 -0.58950-02 0.46670 01
0.10620 00 -0.59630-02 0.56160 01 0.64470-01 -0.60700-02 0.67550 01 0.57260-01
-0.26340 01 0.57200 01 0.74710-01 0.26220 01 0.57200 01 0.74710-01 -0.62100-02
0.76110-01 -0.29760-01 -0.65100-02 0.81800-01 -0.46550-01 -0.68270-02 -0.89290 01
0.59890-01 -0.68460-02 0.95980 01 0.60430-01 -0.68910-02 0.10920 02 0.61240-01
-0.69350-02 0.12250 02 0.61870-01 -0.69780-02 0.13600 02 0.62310-01 -0.70210-02
0.14990 02 0.62570-01 -0.77920-02 0.10050 02 0.37630-01 -0.70440-02 0.10240 02
0.61450-01 -0.70330-02 -0.12580 02 0.62450-01 -0.79560 00 -0.70240-02 0.16170 02
0.64300-01 -0.70260-02 0.17670 02 0.60950-01 -0.70330-02 0.19250 02 0.70900-01
-0.70490-02 0.21800 02 0.75420-01 -0.70580-02 0.24470 02 0.76900-01 -0.70610-02
0.27160 02 0.77440-01 -0.70590-02 0.29870 02 0.77550-01 -0.55460-02 0.30180 02

0.22000 00 ACCELERATIONS

0.21420-01 -0.22840 01 -0.28930-02 -0.18500 00 0.21280 02 0.12000 01 -0.89110-01
0.43730 02 0.13770 01 -0.84380-01 0.52700 02 0.13770 01 -0.18790 00 -0.44230-01
-0.30280 02 0.92740 01 -0.45700-01 0.53360 02 -0.37520 01 -0.40970-01 0.30750 02
-0.38000-01 -0.44770-01 0.57820 01 -0.37060-00 -0.61180-01 -0.91170 00 0.64810-01
0.95820 02 0.15380 02 -0.12270 01 -0.95830 02 0.15380 02 -0.12270 01 -0.82650-01
0.14640 02 0.11520 01 -0.86700-01 0.34550 02 0.11300 01 -0.90760-01 0.53750 02
0.10320 01 -0.91100-01 0.66470 02 0.10240 01 -0.91930-01 0.88120 02 0.10030 01
-0.92800-01 -0.11020-03 -0.97110-00 -0.93710-01 -0.13140-03 -0.92960 00 -0.94650-01
0.15170 03 0.87840 00 -0.25880 00 0.91300 02 -0.57920 00 -0.96950-01 0.87550 02
0.82460 00 -0.95010-01 0.11870 03 0.87130 00 -0.11470 03 -0.94640-01 0.16710 03
0.77750 00 -0.94680-01 0.17970 03 0.42460 00 -0.94760-01 0.18790 03 0.35850 00
-0.97320-01 -0.19410-03 -0.11530-01 -0.99720-01 -0.19220 03 -0.10870 00 -0.10230 00
0.18750 03 -0.15720 00 -0.10500 00 0.18170 03 -0.17000 00 -0.80770 00 0.13550 03

0.24000 00 DISPLACEMENTS

0.72090-05 0.14250-03 -0.13500-04 -0.37280-04 0.26040 00 0.95630-04 -0.37630-04
-0.26210-00 -0.10710-03 -0.37640-04 -0.26280-00 -0.10710-03 -0.37320-04 -0.37640-04
-0.24300-02 -0.36850-02 -0.37750-04 0.26290 00 0.13430-03 -0.37760-04 0.26370 00
0.13090-03 -0.37620-04 0.26510 00 0.14600-03 -0.38080-04 0.26770 00 0.14800-03
-0.32480-02 0.26570 00 0.13800-03 -0.31720-02 0.26570 00 0.13800-03 -0.38690-04
-0.27040-00 -0.14400-03 -0.38860-04 -0.27300-00 -0.20960-03 -0.39020-04 0.27630 00
0.26730-03 -0.39030-04 0.27930 00 0.26950-03 -0.39050-04 0.28520 00 0.27280-03
-0.39070-04 0.29110 00 0.27520-03 -0.39090-04 0.29710 00 0.27700-03 -0.39100-04
0.30410 00 0.27790-03 -0.38390-04 0.28150 00 0.13850-03 -0.39100-04 0.28220 00
0.27250-03 -0.39110-04 0.29260-00 -0.27740-03 -0.25870-00 -0.39120-04 0.30850 00
0.28390-03 -0.39140-04 0.31510 00 0.20320-03 -0.39160-04 0.32190 00 0.30640-03
-0.39390-04 0.33290 00 0.32170-03 -0.39570-04 0.34420 00 0.32650-03 -0.39730-04
0.35960 00 0.32810-03 -0.39970-04 0.36710 00 0.32840-03 -0.70320-04 0.36780 00

0.24000 00 VELOCITIES

0.16860-02 0.15780-01 -0.44380-03 -0.53550-02 0.34620 01 0.32560-01 -0.54640-02
0.41290 01 0.42160-01 -0.54650-02 0.44210 01 0.42160-01 -0.53550-02 -0.55310-02
-0.81970 00 -0.17880 01 -0.55130-02 0.44590 01 0.55200-01 -0.55180-02 0.47850 01
-0.52460-01 -0.55310-02 -0.54590-01 -0.71280-01 -0.55280-02 -0.68010-01 -0.68270-01
-0.12650 01 0.57960 01 0.71920-01 0.12540 01 0.57960 01 0.71920-01 -0.55240-02
0.79670 01 0.44260-01 -0.55760-02 0.87140 01 0.55100-01 -0.56270-02 0.95810 01
0.64240-01 -0.56390-02 0.10360 02 0.64540-01 -0.56380-02 0.11710 02 0.64910-01
-0.56460-02 -0.13120-02 -0.65050-01 -0.56540-02 -0.14630-02 -0.64970-01 -0.56630-02
0.15940 02 0.64690-01 -0.59840-02 0.10250 02 0.63120-01 -0.56680-02 0.11110 02
0.62720-01 -0.56640-02 0.13490 02 0.64490-01 -0.15010 01 -0.56650-02 0.17180 02
0.65480-01 -0.56710-02 0.18670 02 0.67930-01 -0.56760-02 0.20180 02 0.68330-01
-0.57310-02 0.22610 02 0.70240-01 -0.57750-02 0.25070 02 0.70830-01 -0.58140-02
0.27550 02 0.71010-01 -0.58490-02 0.30030 02 0.71020-01 -0.13550-01 0.30160 02

0.24000 00 ACCELERATIONS

-0.11320-01 0.10210 00 0.82800-03 0.30770 00 -0.26080 02 -0.62790 00 0.21850 00
-0.28930 02 -0.84390-01 0.21400 00 -0.25630 02 -0.84700-01 -0.31100 00 0.17170 00
0.16090 02 -0.18970 02 0.17720 00 -0.22960 02 0.73580 00 0.17270 00 -0.18960 02
0.53230 00 0.17130 00 -0.10500 02 0.76470 00 0.17370 00 0.69160 01 0.55400 00
-0.11310 02 -0.45590 01 0.92820 00 0.11610 02 -0.45590 01 0.92820 00 0.17660 00
-0.11580-02 -0.56550 00 0.12530 00 0.41770 01 -0.54480 00 0.73970-01 -0.29380 01
-0.51460 00 0.70650-01 -0.86690 01 -0.51250 00 0.63090-01 -0.19790 02 -0.50700 00
0.55590-01 -0.30780 02 -0.49920 00 0.48160-01 -0.41570 02 -0.48900 00 0.40820-01
-0.52110 02 -0.47650 00 -0.68950-01 -0.23460 02 0.10760 01 0.37150-01 -0.17220 02
-0.44500 00 -0.38710-01 -0.34050 02 -0.47550 00 -0.11160 03 0.40320-01 -0.60750 02
-0.44460 00 0.39290-01 -0.69130 02 -0.33440 00 0.38710-01 -0.76110 02 -0.31420 00
0.35410-01 -0.85340 02 -0.21910 00 0.33720-01 -0.92410 02 -0.18820 00 0.33230-01
-0.93760 02 -0.17690 00 0.33890-01 -0.10490 03 -0.17390 00 0.38820 00 -0.10410 03

0.26001 00 DISPLACEMENTS

0.37040-04 0.63300-03 -0.21870-04 -0.10450-03 0.31780 00 0.61350-03 -0.11280-03
0.33130 00 0.87360-03 -0.11320-03 0.33760 00 0.87370-03 -0.10450-03 -0.11730-03
-0.15440-01 -0.42610-01 -0.11650-03 0.33980 00 0.19950-02 -0.11690-03 0.35040 00
0.19090-02 -0.11730-03 0.37020 00 -0.17000-02 -0.11850-03 0.40170 00 -0.15680-02
-0.46730-01 0.37630 00 0.18280-02 0.45500-01 0.37630 00 0.18280-02 -0.12010-03
0.42690 00 0.88280-03 -0.12210-03 0.44200 00 0.11610-02 -0.12410-03 0.46020 00
0.14050-02 -0.12420-03 0.47690 00 0.14130-02 -0.12450-03 0.50670 00 0.14250-02
-0.12480-03 0.53770 00 0.14340-02 -0.12510-03 0.56880 00 -0.14370-02 -0.12530-03
0.59990 00 0.14370-02 -0.12790-03 0.48600 00 0.12440-02 -0.12540-03 0.49230 00
0.14020-02 -0.12540-03 0.54550 00 0.14340-02 0.20760 00 -0.12540-03 0.62770 00
0.14070-02 -0.12550-03 0.66160 00 0.15600-02 -0.12550-03 0.69660 00 0.15760-02
-0.12610-03 0.75300 00 0.16520-02 -0.12660-03 0.81130 00 0.16760-02 -0.12700-03
0.85950 00 0.16840-02 -0.12730-03 0.92870 00 0.17050-02 -0.19140-03 0.93310 00

0.26000 00 VELOCITIES

-0.60030 00	-0.21140 01	-0.13860-02	0.25930 01	0.15120 00	-0.13890-02	0.24940 01
0.14770 00	-0.14260-02	0.47030 01	0.84520-01	-0.15790-02	0.62870 01	0.73730-01
-0.36570 01	0.40090 01	0.99710-01	0.36540 01	0.49090 01	0.99710-01	-0.16870-02
0.73570 01	-0.33030-01	-0.17890-02	0.78690 01	-0.40960-01	-0.18920-02	0.84710 01
0.48020-01	-0.18980-02	0.90050 01	0.48280-01	-0.19130-02	0.10050 02	0.48680-01
-0.19270-02	0.11110 02	0.48990-01	-0.19410-02	0.12160 02	0.49210-01	-0.19550-02
0.13230 02	0.49350-01	-0.23220-02	0.92680 01	0.48150-01	-0.19640-02	0.95190 01
0.48400-01	-0.19590-02	0.11360 02	0.49240-01	-0.35420-01	-0.19540-02	0.14180 02
0.50720-01	-0.19520-02	0.15370 02	0.55190-01	-0.19510-02	0.16610 02	0.55970-01
-0.19260-02	0.18640 02	0.59820-01	-0.19050-02	0.20760 02	0.61070-01	-0.18850-02
0.22590 02	0.61530-01	-0.18660-02	0.25050 02	0.61620-01	0.25320-02	0.25350 02
0.26000 00 ACCELERATIONS						
-0.31080-01	0.81330 00	0.62160-02	0.29710 00	-0.17280 03	0.37780 00	0.37480 00
-0.17250 03	-0.20190 00	0.37850 00	-0.17630 03	-0.20200 00	0.29820 00	0.40060 00
-0.92150 01	-0.25460 02	0.40790 00	-0.17840 03	0.65570 01	0.41150 00	-0.13880 03
0.67210 01	0.39950 00	-0.95500-02	0.10340 01	-0.38910 00	-0.85610 02	0.64980 00
-0.17000 03	-0.11320 03	0.19070 01	0.17090 03	-0.11320 03	0.19070 01	0.37540 00
-0.82460 02	0.17510 00	0.35820 00	-0.90860 02	-0.42320 00	0.34100 00	-0.10590 03
-0.93630 00	0.33990 00	-0.11680 03	-0.95420 00	0.33730 00	-0.13850 03	-0.97790 00
0.33470 00	-0.16060 03	-0.99070 00	0.33220 00	-0.18280 03	-0.99270 00	0.32970 00
-0.20490 03	-0.98420 00	0.26460 00	-0.11990 03	-0.14590 01	0.32800 00	-0.12860 03
-0.10170 01	0.32990 00	-0.16780 03	-0.97970 00	-0.89550 02	0.32960 00	-0.22370 03
-0.98600 00	0.32960 00	-0.24570 03	-0.98700 00	0.32960 00	-0.26760 03	-0.98630 00
0.33080 00	-0.30200 03	-0.98750 00	0.33200 00	-0.33650 03	-0.98750 00	0.33330 00
-0.37100 03	-0.98700 00	0.33480 00	-0.40550 03	-0.98580 00	0.71710 00	-0.41960 03
0.28000 00 DISPLACEMENTS						
0.55240-04	0.13560-02	-0.27820-04	-0.78470-04	0.31160 00	0.10950-02	-0.83340-04
0.33540 00	-0.15400-02	-0.53570-04	0.34650 00	-0.15400-02	-0.78500-04	-0.85940-04
-0.27460-01	-0.91140-01	-0.55470-04	0.34920 00	0.59030-02	-0.85700-04	0.38340 00
0.57710-02	-0.85910-04	0.43580 00	0.36420-02	-0.86100-04	0.50110 00	0.32200-02
-0.14270 00	0.44280 00	0.42210-02	0.14250 00	0.44280 00	0.42210-02	-0.86330-04
0.54890 00	-0.15290-02	-0.86900-04	0.57340 00	-0.18850-02	-0.87460-04	0.60190 00
0.21910-02	-0.87490-04	0.62630 00	0.22020-02	-0.87560-04	0.67410 00	0.22160-02
-0.87640-04	0.72220 00	0.22260-02	-0.87710-04	0.77040 00	0.22290-02	-0.87780-04
0.81860 00	0.22280-02	-0.87530-04	0.82370 00	0.19430-02	-0.87800-04	0.65200 00
0.21680-02	-0.87800-04	0.73420 00	0.22220-02	0.12110 00	-0.87780-04	0.86150 00
0.22730-02	-0.87790-04	0.91410 00	0.24190-02	-0.87790-04	0.96830 00	0.24440-02
-0.87750-04	0.10560 01	0.25640-02	-0.87700-04	0.11460 01	0.26020-02	-0.87650-04
0.12370 01	0.26160-02	-0.87600-04	0.13290 01	0.26180-02	-0.72810-04	0.13340 01
0.28000 00 VELOCITIES						
0.59660-03	0.29890-01	-0.20630-03	0.39500-02	-0.22740 01	0.17940-01	0.39370-02
-0.18790 01	0.25810-01	0.39360-03	-0.16920 01	0.25810-01	0.39540-02	0.39130-02
-0.44460 00	-0.26420 01	0.39280-03	-0.16620 01	0.21190 00	0.39270-02	-0.39490 00
0.20950 00	0.39100-02	0.13850 01	0.10580 00	0.40910-02	-0.32500 01	-0.88680-01
-0.52020 01	0.14340 01	0.13230 00	0.52100 01	0.14340 01	0.13230 00	0.43280-02
0.44360 01	0.26810-01	0.44920-02	0.48800 01	0.29640-01	0.46650-02	0.53500 01
0.31150-01	0.45660-02	0.56990 01	0.31160-01	0.46890-02	0.63790 01	0.31070-01
0.47120-02	0.70550 01	0.30840-01	0.47340-02	0.77240 01	0.30470-01	0.47570-02
0.83840 01	0.29960-01	0.52300-02	0.61610 01	0.11320-01	0.47690-02	0.61970 01
0.28130-01	0.47630-02	0.72530 01	0.29790-01	-0.49800 01	0.47580-02	0.89520 01
0.29680-01	0.47620-02	0.96110 01	0.29520-01	0.47650-02	0.10260 02	0.29440-01
0.47850-02	-0.11280-02	0.28980-01	0.47990-02	-0.12230-02	0.28810-01	0.48100-02
0.13300 02	0.28740-01	0.48160-02	0.14300 02	0.28720-01	0.61630-02	0.13930 02
0.28000 00 ACCELERATIONS						
-0.28520-01	-0.90720 00	0.99040-02	0.22660 00	-0.15900 03	-0.10740 01	0.22150 00
-0.17650 03	-0.98720 00	0.22170 00	-0.19210 03	-0.98710 00	0.22610 00	0.19550 00
0.27150 02	0.69110 01	0.21860 00	-0.18180 03	-0.14520 01	0.21820 00	-0.19060 03
-0.14800 01	-0.19400 00	-0.19930 03	-0.26990 00	0.17800 00	-0.20000 03	-0.32300 00
0.58060 02	-0.19620 03	-0.32170 00	-0.37510 02	-0.19620 03	-0.32170 00	0.15560 00
-0.20460 03	-0.10910-01	-0.13710 00	-0.20820 03	-0.90120 00	-0.11830 00	-0.21010 03
-0.81390 00	0.11710 00	-0.21850 03	-0.81430 00	0.11430 00	-0.23470 03	-0.82570 00
0.11150 00	-0.25140 03	-0.85090 00	0.10370 00	-0.26970 03	-0.89010 00	0.10590 00
-0.28710 03	-0.94300 00	-0.52810-01	-0.19580 03	-0.16670 01	0.10310 00	-0.20730 03
-0.10940-01	-0.10500 00	-0.25070 03	-0.95370 00	-0.52240-02	0.10580 00	-0.30590 03
-0.10190 01	0.10570 00	-0.33200 03	-0.12770 01	0.10560 00	-0.36130 03	-0.13240 01
0.10400 00	-0.41210 02	-0.16730 01	0.10280 00	-0.46860 03	-0.16580 01	0.10160 00
-0.52720 03	-0.16920 01	0.10040 00	-0.58640 03	-0.16920 01	-0.19680 00	-0.63930 03
0.30000 00 DISPLACEMENTS						
0.62630-04	0.18790-02	-0.29860-04	0.39830-05	0.24760 00	0.13330-02	-0.20580-05
0.27690 00	0.19060-02	-0.23550-05	0.29070 00	0.19060-02	0.40010-05	-0.59640-05
-0.33310-01	-0.13380 00	-0.47830-05	0.29290 00	0.93230-02	-0.50820-05	0.34860 00
-0.91620-02	-0.59800-05	0.43000 00	-0.53510-02	-0.37750-05	0.52540 00	0.46450-02
-0.22660 00	0.43760 00	0.63650-02	0.22680 00	0.43760 00	0.63650-02	-0.89450-06
0.59220 00	0.19100-02	0.52990-06	0.62390 00	0.27140-02	0.19520-05	0.66000 00
0.20390-02	0.20410-05	0.68950 00	0.26490-02	0.22420-05	0.74720 00	0.26600-02
0.24400-05	0.80500 00	0.26670-02	0.25360-05	0.86280 00	0.26560-02	0.28290-05
0.92030 00	0.26410-02	0.60330-05	0.71560 00	0.17490-02	0.29290-05	0.72470 00
0.25340-02	0.29840-05	0.82040 00	0.26310-02	0.14040-01	0.28460-05	0.97100 00
0.26780-02	0.28810-05	0.10320 01	0.27940-02	0.29020-05	0.10950 01	0.28140-02
0.30710-05	0.11950 01	0.29040-02	0.31850-05	0.12660-01	0.29330-02	0.32670-05
0.13990 01	0.29420-02	0.33190-05	0.15020 01	0.29440-02	0.10860-04	0.14970 01
0.30000 00 VELOCITIES						
0.19860-03	0.26700-01	0.99210-05	0.25580-02	-0.36270 01	0.11120-01	0.27480-02
-0.33560 01	0.15040-01	0.27570-02	-0.32740 01	-0.15660-01	0.26600-02	0.28750-02
-0.27550 00	-0.18700 01	0.28320-02	-0.33560 01	0.10670 00	0.28410-02	-0.26060 01
0.10740 00	0.26750-02	-0.17160 01	0.58910-01	0.29310-02	-0.83470 00	0.42710-01

0.12550-01	0.31770-02	0.31530 00	0.12740-01	0.31090-02	0.59260 00	0.12560-01
0.32010-02	0.86530 00	0.12320-01	0.32130-02	0.11320 01	0.12010-01	0.32240-02
0.13910 01	0.11640-01	0.36150-02	0.70310 00	-0.18340-01	0.32320-02	0.58200 00
-0.10090-01	-0.32280-02	0.95340 00	-0.11540-01	-0.65720-01	-0.32250-02	-0.16090-01
0.11430-01	0.32260-02	0.18530 01	0.10680-01	0.32260-02	0.20870 01	0.10540-01
0.32270-02	0.24410 01	0.98080-02	0.32270-02	0.27790 01	0.95640-02	0.32260-02
0.31120 01	0.94750-02	0.32250-02	0.34420 01	0.94630-02	0.26330-02	0.30860 01

0.30000 00 ACCELERATIONS

-0.12520-01	0.17800 00	0.11790-01	-0.16700 00	-0.80020 01	0.13670 00	-0.15410 00
-0.84070 01	-0.10950 00	-0.15360 00	-0.10070 02	-0.10940 00	-0.16470 00	-0.14570 00
-0.36330 01	0.10630 03	-0.14960 00	-0.11080 02	-0.22480 01	-0.14900 00	-0.60410 02
-0.81690 01	-0.14600 00	-0.13130 02	-0.42550 01	-0.15580 00	-0.20860 03	-0.34740 01
0.20250 03	-0.13380 03	-0.54090 01	-0.20280 03	-0.13380 03	-0.54090 01	-0.16860 00
-0.25430 03	-0.30190 00	-0.19300 00	-0.27390 03	-0.73660 00	-0.21740 00	-0.29780 03
-0.10070 01	-0.21900 00	-0.30970 03	-0.10110 01	-0.22270 00	-0.33320 03	-0.10040 01
-0.22630 00	-0.35640-03	-0.97570 00	-0.23000 00	-0.37870-03	-0.92690 00	-0.23360 00
-0.39960 03	-0.85780 00	-0.35990 00	-0.34240 03	-0.60900 00	-0.23630 00	-0.34330 03
-0.69190 00	-0.23470 00	-0.36790 03	-0.84060 00	-0.60590 01	-0.23270 00	-0.41500 03
-0.78760 00	-0.23390 00	-0.42920 03	-0.54900 00	-0.23400 00	-0.44040 03	-0.50550 00
-0.23450 00	-0.45420-03	-0.29620 00	-0.23460 00	-0.46330-03	-0.22700 00	-0.23450 00
-0.47070 03	-0.20070 00	-0.23410 00	-0.47760 03	-0.19430 00	-0.92180-01	-0.45410 03

0.32000 00 DISPLACEMENTS

0.64440-04	0.23080-02	-0.27200-04	0.10500-04	0.17110 00	0.14640-02	0.83590-05
-0.20330-00	-0.21000-02	0.82530-05	-0.21850-00	-0.21000-02	-0.10510-04	0.68960-05
-0.36600-01	-0.13930 00	0.73850-05	0.22100 00	0.97030-02	0.72770-05	0.27890 00
0.95150-02	0.68790-05	0.36340 00	0.55720-02	0.86560-05	0.46270 00	0.48450-02
-0.23550 00	0.37150 00	0.66120-02	0.23550 00	0.37150 00	0.66120-02	0.10980-04
-0.53250-00	0.20330-02	-0.12500-04	-0.56510 00	-0.24060-02	-0.14020-04	0.60170 00
0.27060-02	0.14110-04	0.63190 00	0.27160-02	0.14330-04	0.69090 00	0.27270-02
0.14540-04	0.75010 00	0.27290-02	0.14750-04	0.80920 00	0.27230-02	0.14950-04
0.66810 00	0.27100-02	0.18080-04	0.66040 00	0.15520-02	0.15060-04	0.66740 00
-0.25990-02	0.15010-04	-0.76560 00	-0.27000-02	-0.95420-01	0.14980-04	-0.92020 00
0.27530-02	0.15030-04	0.98330 00	0.28890-02	0.15060-04	0.10480 01	0.29120-02
0.15370-04	0.11520 01	0.30220-02	0.15590-04	0.12580 01	0.30570-02	0.15760-04
0.13650 01	0.30690-02	0.15890-04	0.14720 01	0.30720-02	0.41250-04	0.14670 01

0.32000 00 VELOCITIES

-0.16010-04	0.56410-02	0.26030-03	-0.15440-02	-0.43350 01	-0.28330-02	-0.17180-02
-0.43630 01	-0.11760-02	-0.17270-02	-0.43630 01	-0.11770-02	-0.15480-02	-0.17940-02
0.69480-01	0.59390 00	-0.17920-02	-0.43560 01	-0.69040-01	-0.18000-02	-0.47720 01
-0.69500-01	-0.17910-02	-0.52970-01	-0.23620-01	-0.18410-02	-0.56810-01	-0.18710-01
0.17420 01	-0.52240 01	-0.33320-01	-0.17460 01	-0.52240 01	-0.33320-01	-0.19070-02
-0.58910 01	-0.48850-02	-0.19320-02	-0.59790 01	-0.49040-02	-0.19560-02	-0.60650 01
-0.45570-02	-0.19580-02	-0.61170 01	-0.45260-02	-0.19610-02	-0.62170 01	-0.44320-02
-0.19640-02	-0.63150-01	-0.42890-02	-0.19660-02	-0.64090-01	-0.40970-02	-0.19690-02
-0.64590 01	-0.38590-02	-0.19760-02	-0.62860 01	-0.95890-02	-0.19700-02	-0.62280 01
-0.33920-02	-0.19700-02	-0.63540 01	-0.33200-02	-0.52160 01	-0.19690-02	-0.65670 01
-0.34380-02	-0.19680-02	-0.66240 01	-0.19660-02	-0.19680-02	-0.66620 01	-0.16930-02
-0.19580-02	-0.66950-01	-0.27370-03	-0.19500-02	-0.66960-01	-0.21370-03	-0.19420-02
-0.66850 01	0.40710-03	-0.19350-02	-0.66690 01	0.45640-03	-0.34750-03	-0.64720 01

0.32000 00 ACCELERATIONS

-0.11820-01	-0.26980 01	0.13100-01	-0.82120-01	-0.95900 02	-0.10140 01	-0.11500 00
-0.11590-03	-0.12490-01	-0.11660-00	-0.12430-03	-0.12490-01	-0.81670-01	-0.14220-00
0.25300 02	0.72850 02	-0.13030 00	-0.12530 03	-0.73650 01	-0.13200 00	-0.16930 03
-0.72970 01	-0.14270 00	-0.22650 03	-0.29200 01	-0.15270 00	-0.27450 03	-0.24280 01
0.18210 03	-0.22260 02	-0.37570 01	-0.16240 03	-0.22260 03	-0.37570 01	-0.16570 00
-0.30580 03	-0.10710 01	-0.19170 00	-0.31350 03	-0.80660 00	-0.21760 00	-0.31820 03
-0.58710 00	-0.21930 00	-0.32430 03	-0.57490 00	-0.22310 00	-0.33600 03	-0.57240 00
-0.22690 00	-0.34760 03	-0.57170 00	-0.23060 00	-0.25920 03	-0.57800 00	-0.23440 00
-0.37120 03	-0.59120 00	-0.33560 00	-0.33810 03	0.21970 01	-0.23680 00	-0.32630 03
-0.57560 00	-0.23550 00	-0.34860 03	-0.59260 00	0.41160-02	-0.23460 00	-0.38280 03
-0.62820 00	-0.23510 00	-0.39840 03	-0.75670 00	-0.23540 00	-0.41570 03	-0.78070 00
-0.23760 00	-0.44530 03	-0.91010 00	-0.23900 00	-0.47790 03	-0.95580 00	-0.24000 00
-0.51170 03	-0.97500 00	-0.24050 00	-0.54580 03	-0.98050 00	-0.29770 00	-0.55400 03

0.34000 00 DISPLACEMENTS

0.61240-04	0.18790-02	-0.19400-04	-0.38910-04	0.57360-01	0.13070-02	-0.44330-04
0.86240-01	0.18780-02	-0.44600-04	0.99840-01	0.18780-02	-0.38910-04	-0.47590-04
-0.32730-01	-0.11620 00	-0.46760-04	0.10210 00	0.73940-02	-0.47020-04	0.14610 00
0.72250-02	-0.47580-04	0.21230 00	-0.46060-02	-0.46970-04	0.29510 00	0.40590-02
-0.17850 00	0.22120 00	0.53500-02	0.17840 00	0.22120 00	0.53500-02	-0.46180-04
0.35510 00	0.18190-02	-0.46250-04	0.39480 00	0.21990-02	-0.46310-04	0.41860 00
0.25100-02	-0.46310-04	0.44660 00	0.25200-02	-0.46320-04	0.50150 00	0.25320-02
-0.46330-04	0.55650 00	0.25360-02	-0.46340-04	0.61140 00	0.25330-02	-0.46340-04
0.66620 00	0.25220-02	-0.46320-04	0.46970 00	0.18960-02	-0.46350-04	0.47880 00
0.24320-02	-0.46350-04	0.57080 00	0.25140-02	-0.18800 00	-0.46340-04	0.71470 00
0.25620-02	-0.46330-04	0.77340 00	0.26970-02	-0.46330-04	0.83350 00	0.27080-02
-0.46260-04	0.92990 00	0.28080-02	-0.46200-04	0.10290 01	0.28390-02	-0.46150-04
0.11280 01	0.26500-02	-0.46100-04	0.12280 01	0.28520-02	-0.34840-04	0.12240 01

0.34000 00 VELOCITIES

-0.33640-03	-0.41770-01	0.51600-03	-0.34480-02	-0.72350 01	-0.10410-01	-0.33580-02
-0.75210 01	-0.19730-01	-0.33530-02	-0.76780 01	-0.19730-01	-0.34500-02	-0.32670-02
0.25640 00	0.17040 01	-0.32150-02	0.77140 01	-0.13620 00	-0.33100-02	-0.85260 01
-0.13350 00	-0.32650-02	-0.96700 01	-0.68970-01	-0.32630-02	-0.10890 02	-0.56820-01
0.33050 01	-0.97210 01	-0.85310-01	-0.33130 01	-0.97210 01	-0.85310-01	-0.32610-02
-0.11630 02	-0.14710-01	-0.32110-02	-0.11990 02	-0.15620-01	-0.31620-02	-0.12070 02
-0.15000-01	-0.31500-02	-0.12280 02	-0.15020-01	-0.31510-02	-0.12600 02	-0.16070-01
-0.31940-02	-0.12930 02	-0.14020-01	-0.31330-02	-0.13230 02	-0.16020-01	-0.31190-02

-0.1[illegible]	-0.2107D-0[illegible]	-0.1[illegible]	-0.[illegible]	-0.[illegible] 01	-0.7150D-03	-0.1594D 02
-0.1683D-01	-0.2132D-02	-0.1[illegible]30D 02	-0.1[illegible]40D-01	-0.5[illegible]40D-02	-0.1474D 02	-0.1847D-01
-0.3159D-02	-0.1541D 02	-0.2018D-01	-0.3174D-02	-0.1613D 02	-0.2076D-01	-0.3191D-02
-0.1686D 02	-0.2100D-01	-0.3206D-02	-0.1759D 02	-0.2107D-01	-0.6682D-02	-0.1756D 02
0.3400D 00 ACCELERATIONS						
-0.2157D-01	-0.7654D 00	0.1168D-01	-0.1397D-01	-0.1460D 03	-0.4778D 00	0.2574D-01
-0.1638D 03	-0.1110D 01	0.2766D-01	-0.1728D 03	-0.1110D 01	-0.1447D-01	0.3896D-01
0.1190D 02	0.3853D 02	0.4313D-01	-0.1752D 03	-0.1223D 00	0.4499D-01	-0.1756D 03
0.6309D-01	0.3840D-01	-0.1838D 03	-0.1540D 01	0.3402D-01	-0.2155D 03	-0.1497D 01
-0.3749D 01	-0.1961D 03	-0.1367D 01	0.3944D 01	-0.1961D 03	-0.1367D 01	0.2821D-01
-0.2427D 03	-0.6741D 00	0.2414D-01	-0.2548D 03	-0.7210D 00	0.2006D-01	-0.2679D 03
-0.8465D 00	0.1979D-01	-0.2774D 03	-0.8478D 00	0.1916D-01	-0.2959D 03	-0.8470D 00
0.1853D-01	-0.3144D 03	-0.8421D 00	0.1790D-01	-0.3327D 03	-0.8336D 00	0.1727D-01
-0.3507D 03	-0.8214D 00	-0.7553D-02	-0.2763D 03	-0.2059D 01	0.1678D-01	-0.2879D 03
-0.8324D 00	0.1709D-01	-0.3197D 03	-0.8179D 00	0.8138D 02	0.1721D-01	-0.3662D 03
-0.8136D 00	0.1707D-01	-0.3839D 03	-0.7837D 00	0.1697D-01	-0.4012D 03	-0.7777D 00
-0.1586D-01	-0.4278D 03	-0.7457D 00	-0.1509D-01	-0.4556D 03	-0.7343D 00	-0.1434D-01
-0.4791D 03	-0.7297D 00	0.1374D-01	-0.5946D 03	-0.7285D 00	-0.1127D 00	-0.4904D 03
0.3600D 00 DISPLACEMENTS						
0.4946D-04	0.1108D-02	-0.7066D-05	-0.9530D-04	-0.1078D 00	0.8917D-03	-0.1021D-03
-0.8907D-01	0.1199D-02	-0.1024D-03	-0.3062D-01	0.1199D-02	-0.9532D-04	-0.1062D-03
-0.2239D-01	-0.7451D-01	-0.1051D-03	-0.7942D-01	0.4659D-02	-0.1055D-03	-0.5141D-01
0.4607D-02	-0.1062D-03	-0.9148D-02	0.2976D-02	-0.1057D-03	0.4412D-01	0.2644D-02
-0.1140D 00	-0.3377D-02	0.3433D-02	0.1138D 00	-0.3377D-02	0.3433D-02	-0.1050D-03
0.8383D-01	0.1294D-02	-0.1054D-03	0.1057D 00	-0.1657D-02	-0.1057D-03	0.1315D 00
0.1969D-02	-0.1057D-03	0.1535D 00	0.1980D-02	-0.1058D-03	0.1966D 00	0.1995D-02
-0.1058D-03	0.2400D 00	0.2004D-02	-0.1059D-03	0.2835D 00	0.2007D-02	-0.1059D-03
0.3269D 00	0.2004D-02	-0.1062D-03	0.1593D 00	0.1602D-02	-0.1059D-03	0.1773D 00
0.1947D-02	-0.1059D-03	-0.2511D 00	-0.1998D-02	-0.2498D 00	-0.1059D-03	0.3655D 00
0.2041D-02	-0.1060D-03	0.4126D 00	0.2160D-02	-0.1060D-03	0.4609D 00	0.2179D-02
-0.1062D-03	0.5388D 00	0.2274D-02	-0.1065D-03	0.6184D 00	0.2304D-02	-0.1066D-03
0.6995D 00	0.2314D-02	-0.1068D-03	0.7803D 00	0.2316D-02	-0.1410D-03	0.7828D 00
0.3600D 00 VELOCITIES						
-0.8713D-03	-0.3946D-01	0.6978D-03	-0.2088D-02	-0.8733D 01	-0.3251D-01	-0.2512D-02
-0.9467D 01	-0.4603D-01	-0.2532D-02	-0.9819D 01	-0.4803D-01	-0.2089D-02	-0.2745D-02
0.8110D 00	0.2374D 01	-0.2699D-02	-0.9879D 01	-0.1379D 00	-0.2719D-02	-0.1070D 02
-0.1334D 00	-0.2742D-02	-0.1197D-02	-0.9509D-01	-0.2714D-02	-0.1371D 02	-0.8488D-01
0.3275D 01	-0.1222D 02	-0.1073D 00	-0.3281D 01	-0.1222D 02	-0.1073D 00	-0.2675D-02
-0.1500D 02	-0.3924D-01	-0.2674D-02	-0.1560D 02	-0.4013D-01	-0.2673D-02	-0.1619D 02
-0.3953D-01	-0.2673D-02	-0.1664D 02	-0.3945D-01	-0.2672D-02	-0.1749D 02	-0.3918D-01
-0.2671D-02	-0.1234D-02	-0.3874D-01	-0.2670D-02	-0.1918D 02	-0.3816D-01	-0.2669D-02
-0.2000D 02	-0.3742D-01	-0.2446D-02	-0.1711D 02	-0.3555D-01	-0.2666D-02	-0.1727D 02
-0.3529D-01	-0.2669D-02	-0.1859D 02	-0.3721D-01	-0.2054D 01	-0.2669D-02	-0.2071D 02
-0.3704D-01	-0.2670D-02	-0.2151D 02	-0.3567D-01	-0.2570D-02	-0.2230D 02	-0.3540D-01
-0.2669D-02	-0.2351D-02	-0.3403D-01	-0.2667D-02	-0.2469D-02	-0.3355D-01	-0.2665D-02
-0.2586D 02	-0.3336D-01	-0.2663D-02	-0.2702D 02	-0.3332D-01	-0.2130D-02	-0.2652D 02
0.3600D 00 ACCELERATIONS						
-0.3043D-01	0.6440D 00	0.5999D-02	0.9739D-01	0.1132D 02	-0.7765D 00	0.7978D-01
-0.4442D 01	-0.1001D 01	0.7890D-01	-0.1135D-02	-0.1001D-01	0.9804D-01	0.6970D-01
0.1953D 02	0.4061D 02	0.7158D-01	-0.1222D 02	-0.1361D 01	0.7067D-01	-0.2026D 02
-0.1295D 01	0.6958D-01	-0.3509D 02	-0.1622D 01	0.7016D-01	-0.6603D 02	-0.1570D 01
0.3133D 02	-0.4258D 02	-0.1566D 01	-0.3120D 02	-0.4258D 02	-0.1566D 01	0.7090D-01
-0.9528D-02	-0.9751D 00	-0.6338D-01	-0.1140D-03	-0.1177D-01	-0.5585D-01	-0.1347D 03
-0.1306D 01	0.5536D-01	-0.1494D 03	-0.1308D 01	0.5429D-01	-0.1783D 03	-0.1306D 01
0.5314D-01	-0.2069D 03	-0.1295D 01	0.5205D-01	-0.2352D 03	-0.1275D 01	0.5097D-01
-0.2630D 03	-0.1247D 01	0.2483D-01	-0.1670D 03	-0.1147D 01	0.5027D-01	-0.1722D 03
-0.1176D-01	-0.5062D-01	-0.2160D 03	-0.1239D-01	-0.1078D-03	-0.5100D-01	-0.2864D 03
-0.1224D 01	0.5109D-01	-0.3126D 03	-0.1143D 01	0.5113D-01	-0.3376D 03	-0.1127D 01
0.5282D-01	-0.3754D 03	-0.1042D 01	0.5424D-01	-0.4114D 03	-0.1012D 01	0.5562D-01
-0.4463D 03	-0.9992D 00	0.5707D-01	-0.4812D 03	-0.9952D 00	0.3930D 00	-0.4685D 03
0.3600D 00 DISPLACEMENTS						
0.2580D-04	0.4336D-03	0.7606D-05	-0.1255D-03	-0.2699D 00	0.2116D-03	-0.1343D-03
-0.2668D 00	0.1720D-03	-0.1347D-03	-0.2659D 00	0.1720D-03	-0.1255D-03	-0.1396D-03
-0.5415D-02	-0.1746D-01	-0.1382D-03	-0.2660D 00	0.1351D-02	-0.1387D-03	-0.2579D 00
-0.1362D-02	-0.1396D-03	-0.2466D 00	-0.6937D-03	-0.1392D-03	-0.2350D 00	0.6177D-03
-0.3419D-01	-0.2465D 00	0.8327D-03	0.3391D-01	-0.2465D 00	0.8327D-03	-0.1387D-03
-0.2259D 00	0.4096D-03	-0.1394D-03	-0.2185D 00	0.6761D-03	-0.1402D-03	-0.2079D 00
0.9312D-03	-0.1402D-03	-0.1976D 00	0.9413D-03	-0.1407D-03	-0.1771D 00	0.9581D-03
-0.1404D-03	-0.1553D 00	0.9733D-03	-0.1405D-03	-0.1351D 00	0.9970D-03	-0.1406D-03
-0.1137D 00	0.9991D-03	-0.1416D-03	-0.1948D 00	0.9139D-03	-0.1406D-03	-0.1898D 00
0.9955D-03	-0.1406D-03	-0.1517D 00	0.9967D-03	-0.2684D 00	-0.1406D-03	-0.9421D-01
0.1037D-02	-0.1406D-03	-0.6943D-01	0.1160D-02	-0.1406D-03	-0.4320D-01	0.1182D-02
-0.1406D-03	-0.9244D-06	0.1286D-02	-0.1406D-03	-0.4555D-01	0.1320D-02	-0.1406D-03
0.9186D-01	0.1332D-02	-0.1406D-03	0.1385D 00	0.1334D-02	-0.1328D-03	0.1497D 00
0.3600D 00 VELOCITIES						
-0.1496D-02	-0.4606D-01	0.7450D-03	-0.1092D-02	-0.6979D 01	-0.3336D-01	-0.8201D-03
-0.7756D 01	-0.5134D-01	-0.8066D-03	-0.9813D 01	-0.5135D-01	-0.1096D-02	-0.6331D-03
0.8327D 00	0.3330D 01	-0.6956D-03	-0.9829D 01	-0.2117D 00	-0.6819D-03	-0.9467D 01
-0.2063D 00	-0.6317D-03	-0.1137D 02	-0.1332D 00	-0.6274D-03	-0.1379D 02	-0.1166D 00
0.5066D 01	-0.1165D 02	-0.1553D 00	-0.5090D 01	-0.1165D 02	-0.1553D 00	-0.6446D-03
-0.1550D-02	-0.4715D-01	-0.6796D-03	-0.1629D 02	-0.5627D-01	-0.5146D-03	-0.1717D 02
-0.6330D-01	-0.5104D-03	-0.1788D 02	-0.6351D-01	-0.5006D-03	-0.1926D 02	-0.6379D-01
-0.4712D-03	-0.2065D 02	-0.6384D-01	-0.4918D-03	-0.2203D 02	-0.6333D-01	-0.4724D-03
-0.2340D 02	-0.6289D-01	-0.2176D-03	-0.1859D 02	-0.2573D-01	-0.4664D-03	-0.1878D 02
-0.5965D-01	-0.4607D-03	-0.2107D 02	-0.6241D-01	-0.2149D 00	-0.4713D-03	-0.2461D 02
-0.6372D-01	-0.4601D-03	-0.2601D 02	-0.6[illegible]D-01	-0.4[illegible]7D-03	-0.2754D 02	-0.6673D-01
-0.[illegible]	-0.[illegible]	-0.[illegible]	-0.[illegible]	-0.[illegible]	-0.[illegible]	-0.[illegible]